



REPORT
ON THE
SANITARY CONDITION
OF THE
County Borough
OF
Birkenhead,
FOR THE YEAR 1907,
BY
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Medical Officer of Health.

"The problems facing the health administrator and reformer are among the great problems of life and time. They are ever the same in essence—in form they continually change. Progress does not satisfy, nor achievement satiate, the desire to progress and to achieve continues—content is impossible. To share in such work as this is an education in the duties and responsibilities of citizenship. Contented and indifferent ease is impossible after a public health apprenticeship."—BAILIE ROBERT CRAWFORD.

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WILSON & JONES, PRINTERS AND STATIONERS, 70 ARGYLE STREET.

1908.

HEALTH COMMITTEE
OF THE
BIRKENHEAD TOWN COUNCIL,
1907-1908.

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AND

HIS WORSHIP THE MAYOR

(A. BLOOM, Esq.)

Day of Meeting every alternate Tuesday at 4-30 p.m.

*Members of the Health Sub-Committee

†Members of the Hospital Sub-Committee

OFFICIALS
OF THE
PUBLIC HEALTH DEPARTMENT,
1907.

Medical Officer of Health.

R. SYDNEY MARSDEN, D.Sc., M.B., MAST. SURG., D.P.H., F.I.C.

Borough Analyst.

J. CARTER BELL, ASSOC. ROY. SCH. MINES., F.I.C., F.C.S., &c.

Chief Inspector and Inspector under the Food and Drugs Act.

*WILLIAM DAWSON, ASSOC. SAN. INST.

Chief Clerk.

JOSEPH BENNETT.

Junior Clerks.

*ROBERT BARNES, JOHN OWEN, LESLIE KIRK.

Inspector of Meat, Fish, and Slaughter Houses.

*JOHN M. CARNIE.

District Sanitary Inspectors.

*WILLIAM FITZGERALD. *JOHN LEE. *H. T. TAYLOR.
*W. H. TILSTON.

Inspector of Workshops and Bakehouses.

*S. H. MOORE.

Inspector of Common Lodging Houses and Houses let in Lodgings.

JOHN JONES.

Disinfecting Inspector.

ISAAC TAYLOR.

Keeper of Disinfecting House.

H. ELLIS.

Disinfecting Labourers.

ROBERT NIELD.

*JOHN JACKMAN.

Those marked thus * have passed the examination of the Sanitary Institute
or the Scottish Sanitary Institute.

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*To the Mayor, Aldermen, and Council of the
County Borough of Birkenhead.*

PUBLIC HEALTH DEPARTMENT,

TOWN HALL, BIRKENHEAD,

14th April, 1908.

GENTLEMEN,

I beg to submit to you my Sixteenth
Annual Report to the Health Committee on the
Sanitary Condition of Birkenhead, viz., that for
the year 1907.

And remain, Gentlemen,

Your obedient servant,

R. SYDNEY-MARSDEN,

MEDICAL OFFICER OF HEALTH.

COUNTY BOROUGH OF BIRKENHEAD

DURING 1907.

SHORT SUMMARY.

Area in Acres	3,850, or a little more than 6 square miles.
No. of Houses in the Borough, Dec. 31st	25,415
No. of Uninhabited Houses at time of Census	1,428
Population (at Midsummer)	118,441
Rateable Value	£644,449
1d. in the £ yields for General Purposes	£2,520
1d. in £ yields for Sanitary purposes	£2,320
Number of Persons per Acre (Density of Population)	30·7
Number of Persons per House at time of Census	5·6
Birth Rate per 1,000 living	31·4
Death Rate do.	15·4
Zymotic Death Rate per 1,000 living	2 1
Average Death Rate last 10 years (1897-1906)	17·6
Deaths of Children under 1 year of age to 1,000 Births	110
Percentage of Uncertified Deaths	0·1

THE SANITARY CONDITION

OF THE

COUNTY BOROUGH OF BIRKENHEAD

DURING 1907.

Report of the Medical Officer of Health to the Health Committee.

In presenting my Sixteenth Annual Report viz :—that for the year 1907, I have pleasure in stating that it has been one of the healthiest periods the town has ever known, the Death Rate of 15·4 per 1,000 being the lowest yet recorded. It is also gratifying to find that the Infantile death rate for the year has fallen to 110 per 1,000 births as against an average of 157·5 for the last 20 years.

The Infantile Death Rate, however, has been steadily declining over the whole period as the following figures readily show, thus :—

For the period 1888-1897 it was 166·1 per 1,000.

,,	,,	1898-1902	,,	158·9	,,	,,
,,	,,	1903-1907	,,	145·5	,,	,,
		and for 1907	,,	110·0	,,	,,

In attempting to account for this it is obvious that some factor generally present and detrimental to life must have been largely absent during the year under review; and this factor I believe to be the germs which are so widely diffused in the atmosphere in dry, warm seasons; and the flies which also abound at such times.

No doubt the regular, systematic, more frequent and more efficient manner in which the night soil and house refuse has been dealt with since the work was taken over by the Sanitary Committee, and under the direct management of the Chief Inspector of Nuisances, has had something to do with this remarkable improvement, but I cannot help thinking that climatic conditions, temperature and rainfall, have largely to do with the change noticed. The year 1906 was a wet year, followed in 1907 by one in which the amount of rain which fell, although not large, was distributed over a large number of days (204) and was particularly heavy in June (4.709 inches). The year 1907 was moreover a cold one, and taking it altogether was characterised by the absence of hot days, and at the same time, by a great diminution in the number of flies.

This seems to point, therefore, to the conclusion that the wet year of 1906, followed by the cool year 1907, had a marked effect on the breeding of flies, whilst the atmosphere, having been largely washed by the prevalent moisture over a large number of days, particularly in the month of June, was freed from detrimental matter which ordinarily proves fatal to large numbers and to many children; and the Death Rate from Diarrhoea was greatly reduced.

Some recent researches on the habits of flies have shown that the common housefly is not so innocent as it looks, but in reality is a dirty, dangerous little thing; with its soft dabbling proboscis which it pushes on to every kind of filth, as well as walking with its six legs on such matter. It then comes and wipes off minute particles and germs on to our food, our lips, our fingers and our faces.

It is probable therefore that the fly is thus the means of spreading Typhoid Fever, Diarrhoea and other similar Diseases, and its comparative absence during 1907 probably largely accounts for the marked improvement in the health returns.

It becomes a question then of keeping down the number of houseflies.

The housefly breeds from a maggot. It lays its eggs in horse dung, and the grubs are hatched in the muck heaps of stables and other fermenting materials, and as Mr. Robert Newstead—who has been carrying on a series of observations—says: If houseflies are to be reduced to a minimum the following suggestions should be attended to:—

1. Stable Manure and spent hops should not be allowed to accumulate in the middensteads during May to October for a period of more than seven days.
2. All middensteads should be thoroughly emptied and carefully swept at frequent intervals.
3. All ashpits should be emptied during the Summer once a week.
4. Children and others should not be allowed to defaecate in yards, courts and passages; and defaecation in stable middens should be strictly forbidden. It constitutes a great attraction for flies which may in a few minutes load themselves with dejections from a typhoid or dysenteric patient (not yet ill enough to be under observation) and carry the poison so taken up into the very midst of the food, milk or water ready for use at the next meal.
5. Ashpit refuse, which in any way tends to fermentation such as bedding, straw, old rags, paper, waste vegetables, dirty bedding from pet animals etc., should be burned if possible.

It will be obvious from the foregoing remarks that in my opinion, stable manure should not be allowed to remain stored in the neighbourhood of dwelling houses at any rate during the warm summer months—for a longer period than seven to ten days. But here we are met with a considerable administrative difficulty. In most cases where only one horse is kept the amount of manure made in the time mentioned is not sufficient to make up a load, and consequently great difficulty is experienced in getting anyone to come and remove it, owing to the greatly added cost of cartage. If therefore the more frequent removal

is to be carried out as a sanitary measure, it will be necessary for the Sanitary Authority to collect the manure from these smaller places and take it to some convenient Depôt from which it will pay farmers to fetch it in the larger quantities. This course I would personally recommend, but whether it can be reasonably carried out or not I must leave for the Committee's consideration.

The black beetle or cockroach is also a creature to be got rid of as far as possible, for it is very probable that it also spreads certain kinds of infection over food and dishes during the hours of "revelry by night" in which it indulges in most people's kitchens and larders.

Whilst speaking of things which it is desirable to get rid of, I would again refer to the subject of boulder paved streets and passages. I have remarked a number of times on the danger attaching to this form of paving—the spaces between the boulders become filled with manure, and other forms of decomposing filth, which cannot be swept out properly and this constitutes a nidus for the growth of germs and a danger to the public health; there has been a marked improvement in the health of such streets as Henry Street and William Street since this form of paving was abolished, and I would most strongly urge upon the Council the desirability of having it removed from all streets and passages in the Borough where it still exists.

DETAILED STATEMENT OF THE WORK OF THE PUBLIC HEALTH DEPARTMENT DURING 1907.

Ordinary Sanitary Operations.—The ordinary sanitary operations of the Department have continued to receive unremitting attention. House-to-house inspections of the cottage property in the Borough have been regularly made. Gulleys and passage drains have been periodically cleansed, public fountains, &c., have been scoured and kept in order, and the systematic removal of ashpit refuse at stated intervals has been carefully superintended.

Summary of Nuisances, &c.—The summary of nuisances investigated and dealt with during 1907 is as follows:—

	1907.
Number of nuisances reported	6408
Number of formal notices given	2205
Number abated after formal notice and without proceedings	6407
Number of cases in which proceedings were taken for ordinary nuisances	1
Number abated after proceedings... ..	1
House disinfecting notices... ..	1343
Nuisances at houses let in lodgings	211
Nuisances at common lodging houses	73
Notices for cleansing of filthy houses	2

A brief statement of the other measures taken in 1907 for correcting or getting rid of whatever appeared to be prejudicial to health is subjoined.

Sanitary defects reported by the Inspectors and referred for the action of the Borough Surveyor	324
Matters reported to Water Engineer	163
Houses or parts of houses specially disinfected by formalin or other disinfectants	2062
Notice to whitewash and efficiently cleanse milk-houses, cowsheds and dairies, given and complied with	382
Offensive privies ordered for conversion into water-closets	5
Parcels of infected bedding and clothes disinfected at the Disinfecting House	534
Parcels of infected or discarded bedding and clothes destroyed	416
Carcases of dogs and cats &c. removed from pools or waste land and buried	40
Deposits of putrid fish and other objectionable refuse removed ... ..	...
Total	3763

In addition to the above, the following work was done:—

Number of excavations made for the purpose of testing the condition of house drains	188
Number of smoke tests applied to drains of premises reconstructed under the supervision of this Department	... 185
Number of water tests applied to drains.	... 281
Number of smoke tests applied to the drains of new buildings, in conjunction with the Borough Surveyor's Department	686

It will be seen from the above that the work of the Department continues to increase, this is in part due to new Acts of Parliament, to the ever-increasing population and consequent greater crowding, and also on account of the more thorough manner in which examinations are now made. The latter tends to the advantage of the public, both as regards health and comfort, and every effort is made to keep down public or private nuisances dangerous to the community.

District Inspections.—The following is a statement of the work done by the District Inspectors of Nuisances and the Disinfecting Inspector during 1907.

	Number of Visits and Revisits made to Insanitary Property.
District I.—Inspector Fitzgerald	... 6250
„ II.— „ Lee	... 3944
„ III.— „ H. T. Taylor	... 4075
„ IV.— „ W. H. Tilston	... 6226
Disinfecting Inspector Isaac Taylor	... 12339
Total	... 32834

Smoke Nuisances.—Observations were taken of the smoke emitted from the factory and other chimneys of the Borough during the year 1907. Three summonses were issued and convictions obtained in each case.

Inspection of Common Lodging Houses and Houses let in Lodgings.

The following is a statement of the work performed during the year 1907 by the Inspector of Common Lodging Houses and Houses let in Lodgings, viz:—

REGISTERED COMMON LODGING HOUSES.

Day Inspections	...	...	...	...	...	4124
Night Inspections	..	...	...	...	...	201
The total number of registered lodging houses is 17.						

REGISTERED HOUSES LET IN LODGINGS.

Day Inspections	...	...	...	...	...	3387
Night Inspections	...	...	...	...	...	150

The total number of houses let in lodgings on the register at the end of 1907 was 670.

FACTORY AND WORKSHOP ACTS, 1878 to 1901.

In connection with the carrying out of the provisions of these Acts, the following is a statement of the work done by the Inspector during the year, viz:—

863 visits have been made to workshops.

604 visits have been made to bakehouses.

76 visits have been made to workplaces.

167 visits have been made to homeworkers premises.

54 workshops, including 9 bakehouses, have been placed on the register during the year, making a total of 448 up to the end of 1907, of which 58 are bakehouses and 33 are confectioners' shops.

12 workshops have been closed.

8 workshops have been transferred to more suitable premises.

184 nuisances in connection with workshops have been reported and abated.

27 notices have been served for the abatement of nuisance arising out of defective drainage, and 9 for inefficient ventilation.

49 notices to cleanse and limewash the workshops have been served and complied with.

139 occupiers of workshops have limewashed their premises under inspection, but without waiting for the formal notice.

1 case of overcrowding has been reported during the year.

6 workshops have been provided with w.c. accommodation, where none previously existed.

29 failures to affix abstract of the Factory and Workshops Act (s. 133).

Lists of out-workers have been carefully kept, and notices in the form prescribed by the Secretary of State, as given in my Report for 1892 (pp. 57 and 58), have been served when necessary.

Laundries.—327 visits were made during the year to the 25 laundries at present on the register.

Bakehouses.—The duties involved in carrying out the provisions of the Acts relating to the sanitary condition of bakehouses have been put under a special Inspector, and during the year 604 visits have been made to bakehouses.

There has been a very great improvement secured by this systematic inspection.

“Shop Hours Acts, 1892 and 1895.”

In carrying out the provisions of these Acts the Inspector has paid 520 visits to different shops, and the occupiers' names and addresses have been placed upon a register specially kept for the purpose, together with the date of his visits.

Seats for Shop Assistants Act, 1899.

[62 and 63 Vict., ch. 21.]

76 premises have been visited under this Act, and 228 visits made during the year ending 1907.

SHOP HOURS ACT, 1904.

CLOSING ORDER WITH RESPECT TO HAIRDRESSERS.

In connection with this Order, 928 visits have been made.

One summons was issued for an infringement of the Order and a conviction obtained.

Administration of the Factory and Workshop Act, 1901,

IN CONNECTION WITH

Factories, Workshops, Laundries, Workplaces and
Homework.

1. INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
Factories (including Factory Laundries) ..	8	..	—
Workshops (including Workshop Laundries)	779	85	—
Workplaces other than Outworkers' premises included in Part 3 of this Report ..	76	..	—
Total	863	85	—

2. DEFECTS FOUND.

Particulars. (1)	Number of Defects			Number of Prosecutions. (5)
	Found (2)	Remed'd (3)	Referred to H.M. Inspector (4)	
Nuisances under the Public Health Acts :				
Want of cleanliness.. .. .	49	49	—	—
Want of ventilation.. .. .	9	9	—	—
Overcrowding	1	1	—	—
Want of drainage of floors	—	—	—	—
Other Nuisances	27	27	—	—
Sanitary accommodation { insufficient { unsuitable or defective { not separate for sexes	Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted, and the standard of sufficiency enforced is in accordance with the Home Secretary's Order of the 4th Feb., 1903.			
Offences under the Factory and Workshop Act:—				
Illegal occupation of underground bakehouse (s. 101)	—	—	—	—
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	—	—	—	—
Other Offences (excluding offences relating to outwork which are included in Part 3 of this Report	98	98	—	—
Total	184	184	—	—

3. HOME WORK.

NATURE OF WORK.*	OUTWORKERS' Lists, SECTION 107.										OUTWORK IN UNWHOLE-SOME PREMISES, SECTION 108.				OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.			
	Lists received from Employers.					Numbers of Addresses of Outworkers received from other Councils.	Numbers of Addresses of Outworkers forwarded to other Councils.	Prosecutions.		Number of Inspections of Outworkers' premises.	Instances.		Notices served.	Prosecutions.	Instances.	Orders made (S. 110).	Prosecutions Sections 109, 110.	
	Twice in the year.		Once in the year.					Failing to keep or permit inspection of lists.	Failing to send lists.									
	Lists.	Out-workers	Lists.	Out-workers														
[1]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
Wearing Apparel—								No prosecutions have been taken, but in several instances employers were written to and the lists subsequently sent in.										
(1) making, etc. ..	16	56	16	41	5	18	—	—	167	—	—	—	—	—	—	—	—	
[2] cleaning & washing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Furniture & upholstery	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
Total ..	16	56	16	41	6	18	—	—	167	—	—	—	—	—	—	—	—	

INSTRUCTIONS.—*If an occupier gives out work of more than one of the classes specified in column 1, and subdivides his list in such a way as to show the number of workers in each class of work, the list should be included among those in column 2 (or 4 as the case may be) against the principal class only, but the outworkers should be assigned in column 3 (or 5) into their respective classes. A footnote should be added to show that this has been done.

† The figures required in columns 2 and 3 are the total number of lists received from employers who sent them both in February and August as required by the Act and of the entries of names of outworkers in those lists. They will, therefore, usually be double of the number of such employers and (approximately) double of the number of individual outworkers whose names are given, since in the February and August lists of the same employer the same outworkers' name will often be repeated.

4. REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.	Class.	Number
Bakehouses	58	Matters notified to H.M. Inspector of Factories:— Failure to affix Abstract of the Factory and Workshop Act, (s. 133) Notified by H.M. Inspector	29
Confectioners	33	Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act, (s. 5)	17
Other Workshops	357	Reports (of action taken) sent to H.M. Inspector	These matters were attended to at the time.
To number of workshops on Register ..	448	Underground Bakehouses (s. 101) :— Certificates granted during the year In use at the end of the year	None 37

5. OTHER MATTERS.

Important classes of workshops, such as houses may be enumerated here.

The Midwives Act, 1902.

In connection with the carrying out of the provisions of this Act, a great deal of work was done during the year: not only in visiting the homes of midwives, but in interviewing them in connection with their work and explaining the provisions of the Act and the rules laid down for their guidance by the Central Midwives Board.

During the year 1907 some 49 midwives had entered their names on the local register as practising in the borough, being 7 less than in 1906, but names are constantly being added to the roll and there is reason to believe that this number will be considerably added to. Of the above 49, one died, and ten of them subsequently left the district, and their names have been removed from the register accordingly.

Notices were received from midwives of 17 still births (7 male and 10 female) having occurred; and 34 cases were notified, in which medical aid had been called in.

During the year I paid some 78 visits of inspection to midwives, and made a series of enquiries in one case, which ended in the midwife being struck off the Register by the Central Midwives Board.

Infectious Disease (Prevention) Act, 1890.

A number of Library books were collected and destroyed from houses where there had been infectious disease.

Seizure and Destruction of Unwholesome Meat, Fish, and Vegetables.

The Meat and Food Inspector has furnished the following particulars of meat, &c., unfit for human food, seized and destroyed during 1907.

The total weight of the meat destroyed amounted to 209106 lbs., but of this a large proportion was voluntarily surrendered by the butchers, they having called the Inspector's attention to it.

As in all recent years, a considerable proportion of the meat taken was on premises in connection with the Foreign Animals Wharf, Woodside. The total number of oxen killed at Woodside and inspected by us during 1907 was 186,045 and 90 oxen and 65 sheep were killed at Wallasey Stage and 200 sheep at No. 4 Shed Wallasey, within our jurisdiction. At the Abattoirs in New Chester Road there were killed 903 beasts, 5609 sheep, 5665 lambs, 803 calves, and 4474 pigs; a total at the Abattoirs of 17454.

In addition to the above 60-lbs of fruit and vegetables, 84-lbs of rabbits, and 156-lbs of fish were seized and destroyed as unfit for food.

Proceedings taken under the "Sale of Food and Drugs Acts, 1875 to 1899."

The Chief Inspector (Mr. William Dawson) gives the following summary of proceedings taken under these Acts during 1907.

The total number of samples taken during the year was 234, viz.—Milk 100, Butter 52, Beer 6, Cheese 6, Sweets 6, Coffee 5, Citric Acid 5, Preserved Peas 5, Cream 4, Cream of Tartar 4, Honey 4, Tartaric Acid 4, Lard 3, Brandy 2, Compound Liquorice Powder 2, Tincture of Digitalis 2, Malt Vinegar 2, Pepper 2, Port Wine 2, Paregoric 2, Infusion of Senega 2, Spirit of Chloroform 2, Scotch Whisky 2, Irish Whisky 2, Tincture of Belladonna 1, Black Currant Wine 1, Black Currant Jam 1, Grape Juice Wine 1, Plum Jam 1, Raisin Wine 1, Raspberry Wine 1, Strawberry Jam 1.

Out of the above, 12 samples of Milk, 8 of Butter, 3 of Coffee and 1 of Cream of Tartar, were reported adulterated, and proceedings were taken in the case of 12 samples of Milk, 7 of Butter, 3 of Coffee and 1 of Cream of Tartar, the particulars of which are as follows, viz.—

Quarter Ending	No.	Article.	Amount of Adulteration.	Fine Inflicted.	Costs Imposed.
1907.					
March 31	4	Butter ..	Margarine	£ s. d. 1 3 0	£ s. d. 1 2 0
" "	5	Coffee ..	60 % of Chicory ..	1 3 0	0 17 0
" "	12	Do. ..	40 % Do. ..	0 3 0	0 17 0
" "	13	Butter ..	Margarine	1 3 0	0 17 0
" "	18	Butter ..	Margarine	5 5	1 3 6
" "	48	Milk ..	Deficient of 10 % of fat ..	..	0 15 6
" "	50	Milk ..	Deficient of 10 % of fat ..	1 4 0	0 16 0
" "	54	Milk ..	Deficient of 16 % of fat ..	3 2 0	0 18 0
June 30	57	Cream of Tartar ..	5.2 % Sulphate of Lime ..	..	0 15 6
" "	72	Milk ..	3 % added of water ..	0 3 0	0 17 0
" "	73	Milk ..	3 % added of water ..	2 0 0	0 17 0
" "	88	Milk ..	Deficient of 10 % of fat ..	1 0 0	0 17 0
" "	91	Milk ..	Deficient of 20 % of fat ..	2 0 0	0 19 0
" "	100	Milk ..	Deficient of 16 % of fat ..	1 3 0	0 17 0
September 30	105	Butter ..	Margarine	10 0 0	1 2 0
" "	109	Milk ..	Deficient of 36 % of fat ..	1 1 0	0 19 0
" "	110	Milk ..	3 % of added water ..	3 0 0	0 18 0
" "	114	Milk ..	4 % of added water ..	3 0 0	0 19 0
" "	115	Milk ..	10 % of added water ..	5 0 0	0 19 0
December 31	178	Coffee ..	70 % of Chicory ..	0 3 0	0 17 0
" "	203	Butter ..	Margarine	0 3 0	0 17 0
In addition to the above the following fines were inflicted under the provisions of Section 6 of the Margarine Act, 1887.					
December 31	201	Butter ..	Margarine not labelled so as to be clearly visible to purchaser	0 3 0	0 17 0
" "	203	Butter ..	Margarine not labelled so as to be clearly visible by purchaser	0 13 6	0 6 6
" "	220	Butter ..	Margarine not labelled so as to be clearly visible to purchaser.	4 3 0	0 17 0

In connection with the administration of the "Sale of Food and Drugs Acts" I would specially call your attention to the amount of the fines inflicted by some of the Magistrates. Fines which, in some cases, do not even cover the actual expenses of the case, and which are of such a nominal character that they can act as a very small, if any, deterrent against adulteration. To take a single example—No. 47. In this case the milk was taken from a farmer in course of delivery to a shopkeeper (from whom a sample had been previously purchased and returned as adulterated), and although practically no defence was offered, or satisfactory explanation given, the Magistrates were of opinion that a fine of 20/- *including* costs would meet the case.

This amount did not cover the actual out of pocket expenses of the Corporation—these being Analyst's fee, Court charges and witnesses subpœna fees, which amounted in all to £1 2s. 6d, all the time and trouble of the officials counting for nothing.

Contagious Diseases (Animals) Act, 1886.

The Milkhouses.—The regulation of dairies, cowsheds, and milk-shops, and the supervision of milk-sellers, has had systematic attention for a number of years. Special care is taken that the ventilation, lighting, cleansing, draining, and water supply of premises used for milk-trade are thoroughly efficient. The register of milk-sellers is revised week by week. The total number of milk-shops is 191, in addition there are 11 cowsheds, and 50 farmers resident outside the Borough, registered to purvey milk inside the Borough.

Twice every year notice is sent to all the milk-sellers requiring that the walls and ceilings of every room in the occupation of Registered Milk-sellers, used for storage or sale of milk, shall be lime-washed, that is to say, in March and September; but if the walls are painted, then they must be washed and thoroughly cleansed twice every year, in March and September.

Meteorological Results.

The noteworthy features of the meteorology of the year are given in the following tabular statement, which has kindly been prepared by W. E. Plummer, Esq., M.A., F.R.A.S., Director of the Observatory, Bidston Hill, Birkenhead, who also furnishes particulars weekly of the daily observations taken under his directions, from which Table IV. in the appendix is compiled.

1907				Mean Tempera- ture	Mean Barometer	Rainfall 1 ft. above ground
				o	Inches	Inches
January	..	..	..	39.3	30.291	0.989
February	..	..	..	37.7	29.986	1.377
March	..	..	..	44.2	30.114	1.540
April	..	..	..	46.2	29.765	1.440
May	..	..	..	50.6	29.842	2.639
June	..	..	..	54.5	29.776	4.709
July	..	..	..	57.9	30.010	1.911
August	..	..	..	57.9	29.926	2.939
September	..	..	..	57.6	30.104	0.560
October	..	..	..	49.8	29.590	4.194
November	..	..	..	44.6	29.940	2.095
December	..	..	..	41.0	29.692	2.175

Mean Barometer for the whole year—29.920 inches.

Mean Barometer for the past 40 years—29.922 inches.

Total amount of rainfall at Bidston, 1907—26.568 inches.

Number of wet days in year—209 days

Average rainfall for 40 years—28.550 inches

Barometer.—The mean barometer of 1907 (29·920 inches) was lower than last year and 0·002 lower than the average mean of the last 40 years. Detailed particulars respecting the barometric pressure, temperature, rainfall, wind, humidity of the air and the proportion of cloud to clear sky &c., will be found in Table IV.

Rainfall—The rainfall of 1907, 26·568 inches, was lower than last year and 1·970 inches less than the average of the previous forty years.

Year.	Total Amount Rainfall in inches at Bidston	No. of wet days in the year	Year.	Total Amount Rainfall in inches at Bidston	No. of wet days in the year
1886	34·620	217	1897	28·580	189
1887	20·821	161	1898	25·719	183
1888	24·090	210	1899	27·807	186
1889	27·373	199	1900	32·054	208
1890	26·820	199	1901	25·192	190
1891	31·643	194	1902	25·566	200
1892	33·032	211	1903	34·418	224
1893	24·537	181	1904	25·175	196
1894	27·912	202	1905	24·011	192
1895	26·265	172	1906	28·076	196
1896	26·633	196	1907	26·568	209

Average rainfall for 40 years=28·550 inches.

The figures for the years 1867 to 1899 are given in my Report for 1904.

Annual Rainfall at Greenwich for last 20 years.

Year.	Rainfall in Inches.	No. of Wet Days in the Year.	Year.	Rainfall in Inches.	No. of Wet Days in the Year.
1886	24·21	163	1897	22·13	169
1887	19·86	143	1898	18·85	142
1888	27·51	165	1899	22·33	141
1889	23·28	159	1900	22·31	165
1890	21·86	162	1901	20·29	123
1891	25·04	178	1902	19·34	159
1892	22·31	170	1903	35·543	179
1893	20·12	154	1904	20·663	153
1894	26·89	192	1905	20·024	161
1895	19·73	158	1906	24·737	161
1896	22·42	161	1907	22·250	163

The figures for 1841—1885 will be found in my Annual Report for 1903, page 22.

For the relative mortality of different portions of the year, see under Births and Deaths.

PREVALENCE OF ZYMOTIC SICKNESS DURING 1907.

Notification of Cases of Dangerous Infectious Diseases.—The Infectious Disease Notification Act, 1889, requires householders and medical men in attendance to notify cases of dangerous infectious diseases to the Sanitary Authority, and gives facilities for supplementing the statement of the mortality from zymotic diseases with a statement of cases of sickness due to some of the chief zymotic diseases, month by month, as they were reported. The diseases which require to be notified to the Authority as “dangerous infectious diseases” are—

Small-pox	Fevers	Typhus
Scarlatina		Typhoid
Diphtheria		Continued
Membranous Croup		Relapsing
Erysipelas	Puerperal Septicæmia	
Cholera		

The cases notified appear in the following return, showing that 2953 cases were notified during the year, being 739 more than the number notified last year; the decline of the epidemic of measles accounts for a very large proportion of these.

The notification of Measles was discontinued after 7th August, 1907.

The following Table gives the number of Notifications of Dangerous Infectious Diseases in each month of the year.

1907	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Puerperal Fever.	Fever	Cholera	Mem. Croup	Erysipelas	TOTAL
January....	..	184	53	30	..	8	..	..	..	1	7	283
February	330	24	14	..	5	1	..	..	2	4	380
March	1020	31	21	..	5	2	1	..	3	5	1088
April	545	38	15	..	5	..	1	..	2	8	614
May	144	33	12	..	6	..	..	..	..	6	201
June	49	18	12	..	3	..	..	..	3	10	95
July	10	12	8	..	4	..	..	..	..	3	37
August	1	5	14	9	..	4	..	..	..	..	2	35
September..	8	19	..	5	1	..	..	..	2	35
October	13	11	..	4	..	..	..	2	3	34
November..	23	28	..	13	..	..	..	2	10	76
December	21	33	..	8	..	..	..	..	13	75
Totals	1	2287	288	212	..	70	4	3	..	15	73	2953

And the next Table the number of cases of the different diseases notified in each year during the last twelve years.

The statement is as follows:—

Year	Smallpox	Measles	Scarlatina	Diphtheria	Typhus Fever	Typhoid Fever	Fever	Mem. Croup	Cholera	Erysipelas	Total
1896	..	2166	606	115	..	149	6	1	..	..	3043
1897	..	1141	630	80	2	152	17	1	..	..	2028
1898	1	589	643	190	1	243	17	3	..	..	1696
1899	..	2461	205	86	1	275	11	6	..	..	3068
1900	..	316	203	48	..	163	26	8	..	..	774
1901	..	2179	266	75	..	207	18	7	..	..	2791
1902	29	1356	407	114	1	327	20	16	..	35	2305
1903	88	420	658	101	..	79	14	12	..	78	1450
1904	40	2212	627	97	1	103	21	17	..	70	3188
1905	2	979	874	138	..	63	8	15	..	64	2143
1906	2	920	869	178	..	118	11	21	..	95	2214
1907	1	2287	288	212	..	70	7	15	..	73	2953

The figures for the years 1882-1905 will be found at page 25 in my report for 1905.

VITAL AND MORTAL STATISTICS FOR THE YEAR.

Area.—The Borough has an area of 3850 acres, or a little more than six square miles.

Population.—The population as shown by the Census taken in England and Wales on April 1st, 1901, was 110,915, being 11,058 in excess of the number enumerated in the census taken on April 6th, 1891.

The estimated number of persons living at Midsummer 1907, was 118,441, and on this estimate I have based the following statistics.

The total number of houses in the Borough at the time of the 1901 census was 21,172, and the number built since that time up to 31st December 1907 was 4502, and the number demolished in the same period was 259, a net gain of 4243, giving a total for the Borough at end of the year 25,415. But there are a number of houses in different parts of the town which, though not demolished, have been converted from dwelling houses into factories,

stores or other workshops; of these I have no return and can only guess at their number, which I estimate will be between 200 and 300.

The number of new houses built during the eleven years, 1891-1901, was 2911, for which information I am indebted to the Borough Surveyor. The number of houses demolished during the same period being 493.

Number of New Houses erected in the Borough since last Census.

April 1st to December 31st, 1901	...	...	311
January 1st to December 31st, 1902	...	...	646
" " 1903	...	...	897
" " 1904	...	...	643
" " 1905	...	..	848
" " 1906	...	...	472
" " 1907	...	...	685
			<hr/>
Total	.	..	4502

The number of houses demolished since taking of Census to end of 1906 was 247, and 12 were taken down during 1907, a total of 259. The number of new houses erected from January 1st to 30th June 1907 was 350.

Taking the total number of houses in the Borough as given above viz. 25,415, and allowing 1,500 as uninhabited (there were 1,428 uninhabited at the time of the Census), then we have 24,915 inhabited houses in the Borough on the 31st December, 1907—if we multiply this by 5·6 the number of persons per house at the time of the Census, then the population of the Borough at the end of the year ought to be 139,123, or about 20,982 more than the number estimated by the usual method of arithmetical progression employed by the Registrar General. Of course, if this is correct then our birth and death rates would be very considerably lower than those shown, which as stated above are calculated on the ordinary estimate. In my last Annual Report a curious but obvious mistake was made in some unexplainable manner in the corresponding paragraph to this.

The following table gives the revised estimated population of the Borough for the ten years 1891-1900, and for the years 1901-1910, provided the rate of increase during the decade 1891-1901 be maintained.

Year.	Census Population.	Midsummer Population.	Year.	Census Population.	Midsummer Population.
1891	99857	100120	1901	110915	111204
1892	100910	101180	1902	112986	112382
1893	101980	102250	1903	113270	113569
1894	103056	103325	1904	114465	114767
1895	104141	104412	1905	115674	115979
1896	105241	105416	1906	116895	117203
1897	106352	106629	1907	118129	118441
1898	107475	107756	1908	119377	119692
1899	108610	108894	1909	120637	120955
1900	109756	110042	1910	121910	122232

Births and Deaths in Birkenhead.—During the year 1907 the returns of the local registrars recorded 3727 births and 1829 deaths in the Borough of Birkenhead. The natural increase in the population in 1907 was therefore 1898. Of the births 1928 were males and 1799 were females; of the deaths 956 were males and 873 were females.

Further particulars as to the births and deaths in the Borough registered in each quarter of the year, and in each township are given in the subjoined table. Those occurring in Union Work-house are entered separately.

BIRTHS	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1907		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	265	277	294	251	273	245	288	266	1120	1039	2159
Claughton	19	10	13	23	19	25	20	16	71	74	145
Tranmere	170	147	174	159	168	135	143	154	655	595	1250
Oxton	4	8	5	6	7	3	5	7	21	24	45
Rebington	8	13	8	7	8	10	5	5	29	35	64
Union Hospital	13	9	6	10	7	5	6	8	32	32	64
Birkenhead Borough ..	479	464	500	456	482	423	467	456	1928	1799	3727

DEATHS	1st Qr.		2nd Qr.		3rd Qr.		4th Qr.		1907.		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Birkenhead	162	153	155	158	109	92	92	100	518	503	1021
Claughton	5	4	10	7	2	11	5	6	22	23	50
Tranmere	79	82	63	49	43	37	51	72	236	240	476
Oxton	8	2	3	7	1	5	4	3	16	17	33
Bebington	7	5	5	3	6	2	1	3	19	13	32
Union Hospital	50	26	41	19	35	18	19	9	145	72	217
Birkenhead Borough ..	311	272	277	243	196	165	172	193	956	873	1829

The next table shews the estimated population of Birkenhead, the density of population and the number of births, deaths and zymotic deaths, and also the birth and death-rates deducible from these figures for this year. These figures for the years 1878 to 1899 were given in my report for the latter year.

Year	Estimated Population at Midsummer	Persons per acre.	BIRTHS.		DEATHS.		ZYMOTIC DEATHS.	
			Number of Births	Birth rate per 1000 per annum	Number of Deaths	Death rate per 1000 per annum	Number of Deaths	Death rate per 1000 per annum
1907	118441	30·7	3727	31·46	1820	15·44	253	2·13

Table showing Natural and Estimated Increase of Population &c.,
1891 to 1907.

Year.	Census Population.	Estimated Population at Mid-summer	No. of Births.	No. of Deaths.	Natural Increase of Pop- ulation excess of Deaths.	Estimated Increase of Pop- ulation from Census Returns.	Balance represent- ing En i- gration from the Borough.	Birth Rate per 1000 per annum.	Death Rate per 1000 per annum.	Infantile Mortality under 1 year to 1000 births.	Illegitimate		Proportion of Deaths of Illegiti- mates to Deaths under 1 yr.	Zymotic Death Rate.	Diarrhoea Death Rate.
											Births.	Deaths under 1 year.			
1881	84006	84404	3059	1462	1597	2381	..	36.24	17.32	112	..	..	..	2.73	0.43
1891	99857	100120	3286	2100	1186	1751	..	32.99	21.08	150	..	..	..	2.63	0.34
1892	100910	101180	3341	1967	1374	1060	314	33.40	19.62	170	..	..	..	3.05	0.56
1893	101980	102250	3431	2132	1299	1070	229	33.04	20.53	197	109	56	12.0	3.73	1.67
1894	103056	103325	3246	1915	1331	1075	256	30.73	18.12	142	112	41	11.0	3.21	0.55
1895	104141	104412	3304	2116	1188	1087	101	30.7	19.6	171	112	41	13.6	2.82	0.83
1896	105241	105416	3477	2116	1361	1004	357	31.9	19.4	180	135	53	11.8	3.32	0.67
1897	106352	106629	3517	2042	1475	1213	262	31.68	18.39	163	136	42	13.5	2.63	0.95
1898	107475	107756	3432	1980	1452	1127	325	30.34	17.50	186	119	48	13.3	2.78	1.13
1899	108310	108594	3451	2214	1237	1138	99	30.17	19.35	185	121	50	12.6	2.86	0.65
1900	109756	110042	3428	1965	1463	1148	315	31.07	17.8	158	125	42	10.5	1.80	0.72
1901	110915	111204	3290	2061	1169	1162	7	29.04	18.5	179	121	60	9.6	3.10	1.45
1902	112086	112382	3646	2021	1625	1178	447	32.52	17.7	151	123	51	9.26	2.40	0.56
1903	113270	113569	3516	1937	1579	1187	392	31.02	17.0	155	112	48	11.4	2.20	1.13
1904	114465	114767	3805	2282	1523	1198	325	33.14	19.87	180	133	43	6.25	4.05	1.62
1905	115674	115979	3707	1833	1874	1212	662	32.0	15.4	129	102	43	8.93	2.05	0.90
1906	116895	117203	3733	2078	1655	1224	431	31.8	17.72	151	115	38	14.86	3.16	1.70
1907	118129	118441	3727	1829	1898	1238	560	31.46	15.44	110	130	31	7.56	2.13	0.35

The proportion of Deaths of Infants under One year to the Births registered.—The proportion in Birkenhead Borough in 1907 was equal to 110 per 1000. In the seventy-five great cities and boroughs in England and Wales, amongst which Birkenhead is classed, the average proportion of deaths under one year to births registered in 1907 was 131. It varied greatly in the different towns, ranging from 92 in Leyton to 165 in Nottingham. In Liverpool it was 144, Wallasey 99, Bootle 123 and Stockport 159.

**Infantile Mortality during 20 years,
1888 to 1907.**

Year.	No. of Births.	Total Deaths of Infants under 1 year.	Deaths from Diarrhoea under 1 year.	Total Deaths of Infants per 1000 Births.	Deaths of Infants from Diarrhoea per 1000 Births.
1888	3082	463	23	150.2	7.46
1889	3207	542	32	169.0	9.97
1890	3302	549	47	166.2	14.23
1891	3286	494	26	150.3	7.91
1892	3341	569	37	170.3	11.07
1893	3431	677	124	197.2	36.14
1894	3246	461	37	142.0	11.39
1895	3304	568	64	171.9	19.37
1896	3477	627	54	180.9	15.53
1897	3517	576	81	163.7	23.03
1898	3432	644	95	186.7	27.68
1899	3451	610	51	185.4	14.77
1900	3428	543	69	158.4	20.12
1901	3230	580	125	179.5	38.69
1902	3616	552	50	151.3	13.71
1903	3516	548	104	155.9	29.57
1904	3805	688	136	180.8	35.74
1905	3707	481	88	129.7	23.72
1906	3733	565	152	151.3	40.74
1907	3727	410	30	110.0	8.04

In considering the above table we find that the Average Infantile Mortality per 1000 Births for the last 20 years—157.5.

For the 10 years 1888—1897 it was 166.1.

„ 10 „ 1898—1907 „ 158.9.

„ 5 „ 1903—1907 „ 145.5.

„ year 1907 „ „ 110.0.

Birth-rates and Death-rates in thirty-seven great towns in England—In order that the birth-rates and death-rates of the Borough of Birkenhead in 1907 may be compared with the corresponding rates of the most populous cities and boroughs in England, the following table has been compiled from the Registrar

General's Quarterly Returns of Births, Deaths, and causes of death in London and the other great towns, 1907. The table gives the *estimated* population of the thirty-seven large towns at Midsummer 1907. The birth-rates and death-rates are for the fifty-two weeks ending December 31st. For comparative purposes these figures are interesting as they are all calculated on the same basis. They are of course unrevised returns. (*See Table on page 30.*)

Tabular Statements.—In the appendix to this Report are tabular statements of the year's mortality within the Borough, classified according to the diseases, ages, and localities, a weekly register of deaths and of meteorological results, together with a return of deaths in the Birkenhead Union Hospital and Workhouse, &c.

Table I. shows the deaths registered in the whole Borough during 1907, arranged with reference to the age at which death occurred in each case. They are disposed in four sub-tables—the deaths in the townships of Birkenhead and Claughton in the first, deaths in Tranmere (exclusive of the Union premises) and Oxtan in the second, the deaths in the incorporated portion of Higher Bebington in the third, and the deaths in the Union Hospital and Workhouse in the fourth. The deaths of infants are entered up in three columns—those under one year, those of one year and under two years, and those turned two years and under five. Then follow the deaths of children and young persons, those turned five years and under twenty; and of adults those turned twenty and under forty, and those turned forty and under sixty. In the last two columns are the deaths of old people, those turned sixty and under eighty, and those of eighty and upwards. Reference to this table will show that, of the gross local mortality for 1907, the deaths of infants under one year of age accounted for 410, those over one year but under five years of age 239, children and young persons 123, adults 533, old people sixty years of age and upwards 494.

The relative proportion of deaths in 1907 among the infants, children and young persons, adults and old people, to the whole number of deaths, in certain sub-divisions of the borough, in the

Thirty-seven Great Towns—Population. Births. Deaths. &c., for the Year 1907.

As estimated from the Registrar General's weekly returns and **unrevised** (for comparison only).

CITIES AND BOROUGHs.	Estimated Population at Midsummer 1907	Deaths.		Annual Rate per 1000 Living			Deaths from						Deaths of Children under one year of age to 1000 Births.	Rate per cent of Uncertified Deaths.	
		Births.	Deaths.	Principal Zymotic Diseases.	Small-Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-Cough.	Fever.	Diarrhoeal Diseases.				
75 Provincial Towns ..	11266240	399521	176534	15.7	1.60	17979	6	5037	1314	2005	3855	895	4867	131	1.3
London ..	4756218	122205	69208	14.6	1.41	6726	..	1801	644	781	1786	198	1510	115	0.1
Croydon ..	151342	3955	1909	12.4	0.89	135	..	8	12	41	35	1	88	94	..
West Ham ..	308284	8779	4498	14.6	2.18	668	..	157	55	74	165	13	202	131	0.6
Leyton ..	122040	3169	1365	11.2	1.66	202	..	33	24	53	60	3	29	92	0.3
Brighton ..	129023	2710	1893	14.7	0.84	108	..	13	..	15	35	8	42	113	0.1
Portsmouth ..	208291	5796	3232	16.0	1.82	381	..	169	4	61	57	30	60	123	1.4
Southernhampton ..	119745	2757	1556	13.0	0.83	98	2	6	2	21	19	6	48	108	..
Norwich ..	119191	2968	1735	14.6	1.33	157	..	3	2	45	40	12	55	125	0.6
Plymouth ..	120063	2776	1760	14.7	0.86	103	1	25	4	15	11	7	41	110	0.1
Bristol ..	367979	8924	4833	13.2	0.79	293	..	33	26	64	35	15	119	100	0.2
Wolverhampton..	102016	2684	1841	15.2	1.44	145	..	22	24	26	16	7	50	130	0.3
Birmingham ..	553155	15623	8225	16.2	1.78	980	..	317	92	102	186	47	236	147	3.4
Leicester ..	236124	5458	2983	12.7	0.90	212	..	63	40	16	14	5	74	131	0.7
Nottingham ..	257189	6889	4497	17.5	2.25	578	..	199	5	40	132	39	163	165	0.6
Derby ..	125744	3152	1798	14.3	1.60	202	..	79	4	53	23	18	25	121	0.1
Stockport ..	100986	2707	1786	17.7	1.53	153	..	22	12	18	47	8	46	159	0.1
BIRKENHEAD ..	118553	3694	1817	15.4	1.95	232	..	130	12	24	18	11	37	110	0.1
Wallasey ..	66707	1760	889	13.4	0.78	51	..	5	4	5	13	3	18	99	2.0
Liverpool ..	746114	23634	14138	19.0	2.01	1491	..	287	136	108	322	98	540	144	2.7
Bootle ..	67114	2171	1123	16.8	1.90	127	..	16	8	12	28	10	53	123	2.7
St. Helens ..	92476	3155	1704	18.5	2.99	276	..	150	10	11	52	13	40	155	3.5
Bolton ..	182917	4456	3063	16.8	2.49	453	..	235	32	21	64	26	75	146	0.6
Manchester ..	263418	18434	11393	18.1	1.72	1110	..	232	105	102	314	35	322	146	0.9
Salford ..	236670	6892	4176	17.7	2.14	505	..	104	62	72	144	20	103	140	0.4
Oldham ..	141730	3743	1823	19.4	1.52	214	..	34	17	18	66	4	75	144	0.3
Burnley ..	103947	2953	1523	17.6	1.42	146	..	7	13	14	29	11	72	158	1.3
Blackburn ..	134980	3336	2277	16.9	1.34	182	..	49	9	17	45	14	38	153	1.6
Preston ..	117093	3129	2226	19.1	1.66	194	..	25	7	12	70	17	63	158	2.9
Huddersfield ..	94814	2189	1692	16.9	0.77	73	..	10	6	8	17	11	21	97	1.1
Bradford ..	290323	5777	4271	14.8	0.89	259	..	49	13	43	80	24	50	124	0.9
Leeds ..	470668	11677	7173	15.3	2.61	587	..	103	54	64	161	26	179	130	0.1
Sheffield ..	455553	14046	7750	17.1	1.26	1206	..	392	105	56	160	42	451	145	2.2
Hall ..	266762	7666	4289	16.1	1.77	470	1	175	15	67	99	15	98	127	1.0
Sunderland ..	156029	5330	2983	19.2	1.84	287	..	100	22	42	11	70	130	128	2.8
Newcastle-on-Tyne	272969	8089	4385	15.9	1.37	372	..	120	22	51	130	10	39	123	0.2
Cardiff ..	187620	4835	2404	15.0	1.90	355	2	177	21	28	56	13	63	131	0.0

premises controlled by the Guardians of the Poor, and in the entire incorporated area, is readily shown in tabular form, thus:—

Percentage of Deaths at certain ages to Total Deaths.	Under 1 Year	Age between														85 years and upwards.
		1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65-75	75-85	
Birkenhead and Claughton	15.25	7.10	2.40	1.11	0.60	2.89	0.82	0.87	1.11	2.73	3.99	4.81	5.79	5.21	2.56	1.14
Tramere & Oxtou	6.39	2.07	0.87	0.21	0.21	0.81	0.38	0.38	0.49	1.53	1.42	2.84	3.17	3.66	2.73	0.60
Bebington	0.32	..	..	..	..	0.05	0.05	..	..	0.10	2.21	0.16	0.16	0.38	0.16	0.10
Union Hospital and Workhouse	0.13	0.05	..	..	..	0.05	0.10	0.32	0.32	1.25	1.20	2.07	1.96	2.78	1.03	0.21
Birkenhead Borough	22.41	9.24	3.28	1.36	0.82	3.82	1.36	1.58	1.96	5.63	6.83	9.90	11.09	12.08	6.50	2.07

In this respect the local mortality compares favourably with the mortality in most great cities and boroughs. The percentages taken out for Bebington have little significance, the number of deaths being so small.

Table II. is the weekly register of deaths in the Borough of Birkenhead for 1907. The deaths are entered as in Table I., into four sub-tables, representing Birkenhead and Claughton, Tramere, Oxtou and Bebington, and the Union Hospital and Workhouse. Table III. is a summary of the weekly register of deaths. Table IV. is a Weekly Condensed Register of Meteorological Results. Table V. is a street register of deaths.

The Classification of Death Causes.—The causes of death, as they appear in Tables I. and II. in the appendix, are systematically classified according to the principles laid down by the late Dr. W. Farr, the nosology being that adopted by the Registrar-General until within the last few years, which experience has shown to be well suited for statistical purposes. The death causes are arranged under classes and orders, the latter corresponding to the families of Natural History. Genera, or what in diseases would be varieties, are not distinguished. All death causes are thus conveniently classified under 116 heads some of which, however, include diseases very distinct from one another.

At the beginning of Table I. are the totals of deaths from all causes, and on the next line the totals of deaths from specified causes. The deaths which it is necessary to refer to unspecified causes are not only those ascribed, in legal phraseology, to "visitation of God" or "natural causes," but also those which,

with almost equal vagueness, are classified as due to "tumour," "coma," &c. The deaths from specified causes are then divided into five classes. Class I. (the zymotic) embraces all diseases, either epidemic, endemic, or contagious, which are induced by some specific body, or by want of, or by the bad quality of food. The diseases coming under Class II. (constitutional or cachectic) appear to be due to a bad habit of body, and possibly may sometimes be hereditary. Class III. takes in diseases the effects of which are manifest in disturbing or obliterating the function of particular organs or systems. Class IV. includes the conditions tending to produce death, which are the incidental results of the formative, reproductive, and nutritive processes. Class V. groups together all deaths which are the evident and direct result of physical or chemical forces.

Deaths from Zymotic Diseases.—The deaths from zymotic diseases include 176 by what have been termed the chief zymotics (certain diseases belonging to the miasmatic order), viz., measles 129, scarlatina 10, diphtheria 21, membranous croup 3, fevers 11, and puerperal septicæmia 2. The remaining 77 were entered to what have been called minor zymotics (diseases less prevalent, less fatal, or less obviously zymotic in character), viz., whooping cough 16, erysipelas 2, influenza 12, diarrhœa 42, syphilis 3, and other zymotic diseases 2.

Relative Fatality of Chief Zymotic Diseases.

The following table shows at a glance the relative fatality of the chief zymotic diseases for the year on the corrected estimate of population.

Year	Deaths from Zymotic Diseases.								Death rate per 1000 living.							
	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhoea	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhoea
1899	...	50	5	21	82	1	48	71	...	0.43	0.04	0.18	0.71	...	0.41	0.62
1900	...	7	3	6	28	...	16	80	...	0.07	0.03	0.06	0.25	...	0.14	0.72
1901	...	45	8	24	57	...	24	162	...	0.40	0.07	0.21	0.51	...	0.21	1.45
1902	2	36	20	23	60	...	43	63	0.01	0.32	0.17	0.20	0.53	...	0.38	0.56
1903	6	9	21	9	39	...	15	129	0.05	0.07	0.18	0.07	0.34	...	0.13	1.13
1904	1	98	20	20	33	1	13	187	0.008	0.85	0.17	0.17	0.72	0.008	0.11	1.6
1905	...	32	28	22	1	...	6	115	...	0.27	0.24	0.18	0.001	...	0.005	0.99
1906	...	8	31	24	58	...	17	200	...	0.06	0.26	0.20	0.19	...	0.14	1.70
1907	...	129	10	21	16	...	11	42	...	1.08	0.08	0.17	0.13	...	0.09	0.35

The figures for the years 1878 to 1898 were given in my Report for 1898.

Inquests.—The number of inquests held during 1907 was 141, thus 7·7 per cent. of the sum of the deaths in the Borough formed the subject of official enquiries. Out of the 141 inquests held, 2 were upon the bodies of infants whose deaths were due to being overlain.

Deaths not Certified.—Not all the death causes which are classified represent diseases or symptoms observed and certified by medical men in attendance during the last illness, or verdicts following official investigation. A significant proportion of the death causes are entered in the register on the doubtful testimony of deceased persons' relatives or friends, or fellow lodgers. The registrars have, therefore, been required to mark in the returns furnished, every death not certified by a registered practitioner, or made the subject of a coroner's inquest. In 1907, out of the 1,829 deaths registered, 10 were marked "not certified," that is 0·54 per cent. The causes of the 10 deaths were entered in accordance with the statements of persons giving information to the registrars as follows:—

Premature Birth	...	...	...	...	...	6
Diabetes	...	...	...	...	...	1
Debility	...	...	...	...	...	1
Enteritis	...	...	...	...	...	1
Liver Disease	...	...	...	...	...	1

though how such conclusions were arrived at does not appear. In my opinion such deaths ought not to be registered without a Coroner's certificate.

The proportion of uncertified deaths to the sum of the deaths was as already stated, 0·54 per cent. as compared with 0·24 per cent. in 1906.

Deaths classified according to Localities.—Tables I., II., III., and IV., in the appendix, having been fully discussed, are followed by Table V., in which the deaths registered during 1907 are classified according to the localities in which they occurred. Opposite each street or place is the number of deaths from all causes and from zymotic diseases, registered as occurring in that street or place during the year. As it was felt that

particulars of the number of deaths from all causes and zymotic diseases in each ward would prove interesting, and as the Street Register does not afford this information, the Table here submitted has been drawn up.

1907			Estimated Population at Midsummer, 1907.	Deaths from All Causes		Deaths from Zymotic Diseases		Death rate per annum.
				M.	F.	M.	F.	
Cleveland	Ward	..	21383	185	154	29	31	15·85
Claughton	"	..	4186	22	28	4	2	11·92
Grange	"	..	28419	207	239	37	35	15·72
Argyle	"	..	16123	126	110	27	22	14·63
Oxton	"	..	4890	16	17	2	..	6·74
Egerton	"	..	13979	81	79	10	5	11·44
Clifton	"	..	19410	104	115	15	18	11·28
Mersey	"	..	6879	51	46	7	5	14·10
Bebington	"	..	3172	19	13	..	..	10·08
Birkenhead Borough in- cluding deaths in Union premises			118441	956	873	134	119	15·44

Illegitimacy.—Statistics relating to illegitimacy are important, not merely on account of the bearing which such a subject has upon the social life of the community, but also with a view ultimately of showing to some extent the influence which illegitimacy exerts upon the “chances of life” of infants, as it is well known that the death-rate of illegitimate children is considerably greater than that of those born in wedlock. I have thought it desirable, therefore, to continue these statistics in this report, as the subject is one of some interest.

The following table gives the total number of legitimate and illegitimate births, with the rates per 1000 of births and per 1000 living, and statistics relative to the deaths of such children under one year of age.

Illegitimate Births and Deaths, 1907.

Registrar's Sub-District	Esti- mated Popu- lation 1907.	BIRTHS		ILLEGITIMATE BIRTHS		Total deaths of children under one year of age	Deaths of illegitimate children under one year of age	Proportion of deaths of illegimates to total deaths under one year of age
		Legit- imate	Illegit- imate	to 1000 living	to 1000 births			
Birkenhead ..	65925	2108	51	0·77	23·62	270	18	6·6
Tranmere, Oxton, Claughton, and Bebington ..	52516	1489	79	1·54	50·38	140	13	9·2
Total ..	118441	3597	130	1·09	37·83	410	31	7·56

Illegitimacy.

	Births					Deaths of Illegitimates under 1 year				
	1 Qr.	2 Qr.	3 Qr.	4 Qr.	Total	1 Qr.	2 Qr.	3 Qr.	4 Qr.	Total
Birkenhead	14	9	13	15	51	1	5	5	7	18
Tranmere	23	20	16	20	79	5	2	4	2	13
Totals	37	29	29	35	130	6	7	9	9	31

HOUSING OF THE WORKING CLASSES ACT, 1890.

Under the provisions of this Act during the year 1907, I made the following representation under Part II. of the Act respecting the condition of certain houses, which premises were in a very insanitary condition.

The representation was duly considered and approved by the Health Committee who gave instructions for the recommendation to be carried out. The area dealt with is as follows:—

10th December, 1907.—1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21 and 23 Queen's Buildings, Tranmere. As the result of the representation, these premises were repaired and rendered fit for habitation.

I am, Gentlemen,

Your obedient servant,

R. SYDNEY-MARSDEN,

Medical Officer of Health.

PUBLIC HEALTH DEPARTMENT,

TOWN HALL,

APRIL 20th, 1908.

THE E. P. SMITH MEMORIAL CONVALESCENT FUND.

Particulars relating to this fund were given in my Report for 1903.

The following is a list of the initials of the persons who have benefitted by the fund during the year 1907.

January	...	W.M.
March	...	J.H.
„	...	R N.
July	...	R.B.
August	...	W.P.

The fund is now regularly used as far as possible.

THE INFECTIOUS DISEASES HOSPITAL,
TOLLEMACHE ROAD.

Report for the Year 1907.

HOSPITAL VISITING SUB-COMMITTEE.

MR. ALDERMAN E. G. MASON, J.P., Chairman.

„ „ WILLIAM GETLEY, J.P.

„ „ THOMAS SHAW.

„ COUNCILLOR MICHAEL BYRNE.

„ „ H. L. PEARSON, M.R.C.S., J.P.

MATRON:

MISS EMILY YEOMANS.

There has been no addition to the number of beds in the hospital during the year, nor has there been any change in the number of the Staff.

The total number of patients treated in the hospital during the year (January 1st to December 31st) was 279; of these, 242 were admitted during the year, and 37 remained in hospital from 1906. Out of those admitted 22 died, giving a death-rate of 9·0 per cent, a higher percentage than usual.

The following table gives a summary of the cases treated in the hospital during the year 1907, along with the results obtained.

DISEASES	M.	F.	Re-covered		Died	
			M.	F.	M.	F.
Typhoid Fever—remaining ..	..	..	..	..	..	..
admitted ..	14	17	12	15	2	2
Scarlatina —remaining ..	13	24	13	24	..	..
admitted ..	77	85	73	83	4	2
Diphtheria admitted ..	18	27	16	18	2	9
Meningitis (Cerebro Spinal) ..	..	1	..	1	..	..
Gastritis ..	..	1	..	1	..	..
Laryngismus Stridulus ..	..	1	..	..	..	1
Pneumonia ..	..	1	..	1	..	..
Total ..	124	155	116	141	8	14

The smallpox hospital, containing 45 beds, stands in its own ground, and is provided with a separate administration block, washhouse, mortuary &c., and is entirely distinct from the other hospital.

The following are the statistics regarding

The Smallpox Hospital, 1907.

Number of Patients.	M.	F.	Died.	
			M.	F.
Admitted 1907	0	1	0	0
Total treated during year ..	0	1	0	0

APPENDIX.

1—Vital Statistics of Whole District during 1907 and previous Ten years.

2—Vital Statistics of Separate Localities in 1907 and previous years.

3—Causes of and Ages of Death during 1907.

4—Infantile Mortality during the year 1907.

TABLE I.—Deaths Registered in the County Borough of Birkenhead during the year ending December 31st, 1907, classified according to age.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the year ending December 31st, 1907.

TABLE III.—Weekly Condensed Register of Deaths for 1907.

TABLE IV.—Weekly Condensed Register of Meteorological Results for 1907.

TABLE V.—Street Register of Deaths—1907.

SUPPLEMENT TO TABLE V.—Return of Deaths in Birkenhead Union Hospital and Workhouse, registered in 1907.

Vital Statistics of Whole District during 1907 and previous Years.

Year	Population estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT					Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	Number	Rate
		Number	Rate	Under 1 year of age		At all ages							
				Number	Rate per 1,000 Births registered	Number	Rate						
1897	106629	3517	32.9	576	163.7	2042	19.1	270	14	..	2028	18.9	
1898	107756	3432	31.8	641	186.7	1980	18.3	271	8	..	1971	18.2	
1899	108894	3451	31.6	640	185.4	2214	20.3	342	12	..	2202	20.1	
1900	110042	3428	31.1	543	158.4	1965	17.8	283	10	..	1955	17.7	
1901	111202	3230	29.0	578	178.0	2061	18.6	348	20	..	2053	18.4	
1902	112102	3646	32.5	554	151.0	2021	17.8	379	32	..	1989	17.7	
1903	113343	3516	31.0	548	155.8	1937	17.0	119	32	35	1940	17.1	
1904	114814	3805	33.1	688	180.8	2282	19.8	163	27	24	2244	19.5	
1905	116040	3707	31.9	481	129.0	1833	15.7	135	22	31	1811	15.5	
1906	117203	3733	31.8	565	151.3	2078	17.7	152	28	30	2070	17.4	
Averages for years 1897-1906	111802	3546	31.6	581	164.0	2041	18.2	247	20	..	2024	18.0	
1907	118441	3727	31.4	410	110.0	1829	15.4	135	17	31	1812	15.29	

Vital Statistics of separate Localities in 1907 and previous years.

Year	Birkenhead (Whole Borough)			Birkenhead Sub-Registration District			Tranmere			Oxton			Claughton			Barnston			Union Workhouse					
	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year				
1897	106629	3517	2042	576	60519	2256	1286	408	34899	1053	524	154	3768	75	31	5	2946	31	26	1	..	40	159	7
1898	107756	3432	1980	641	60862	2154	1132	425	35616	1059	549	178	3809	76	52	13	2953	38	17	3	..	41	173	16
1899	108891	3151	2214	646	61198	2150	1285	428	36352	1091	589	186	3850	58	41	7	2956	47	37	5	..	41	211	7
1900	110042	3428	1965	543	61521	2105	1067	342	37108	1124	584	170	3891	72	47	9	2963	41	25	6	..	41	189	12
1901	111204	3250	2061	578	61832	1951	1177	379	37888	1071	565	178	3930	89	32	6	2971	38	21	1	..	39	217	12
1902	112102	3646	2021	554	61996	2204	1156	355	38584	1209	517	162	3937	99	38	7	2973	29	18	2	..	48	216	15
1903	113343	3516	1937	548	62732	2113	1090	342	39034	1173	535	178	3998	91	43	10	2975	37	31	0	..	45	213	16
1904	114814	3805	2282	688	63738	2284	1300	416	39417	1292	630	225	4043	84	56	17	2977	40	32	4	..	54	226	16
1905	116040	3707	1833	481	64585	2185	1015	298	39455	1269	479	142	4101	109	44	9	3108	40	35	4	..	56	220	23
1906	117203	3733	2078	565	65236	2188	1181	361	39847	1265	521	162	4142	127	64	11	3139	44	27	3	..	44	241	28
Average of years 1897 to 1906	111802	3546	2011	581	62421	2159	1165	375	37820	1160	549	173	3948	88	44	9	2996	38	26	3	..	44	207	14
1907	118441	3727	1823	410	65925	2159	1021	270	40268	1250	476	116	4186	145	50	9	3172	64	32	6	..	64	217	8

Causes of, and Ages at, Death during Year 1907.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SPECIFIED AGES.					DEATHS IN OR BELONGING TO LOCALITIES AT ALL AGES.					TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT
	All ages	Under 15 and 15 and 25 and 65 and under under under up-wards				Whole Borough	Bir-ken-head	Tran-Clacton-mer-gton	Beb-Work-ing-ton.		
		year	5	15	25					65	
Chickenpox	129	42	81	6		129	110	15	4		
Measles	10	1	6	2		10	3	6	1		5
Scarlet fever	16	7	9		1	16	10	5		1	
Whooping-cough	24		12	10	1	24	14	9	1		7
Diphtheria and membranous croup	4		2	2		4	4				
Croup											
Typhus											
Enteric	11		1	1	2	11	5	5		1	5
Other continued											
Epidemic influenza	12	2	1		3	12	5	5			
Cholera											
Other Zymotic Diseases	5	1			4	5	1	1		2	1
Diarrhoea	42	30	9			42	29	13			2
Enteritis	15	6	3		3	15	10	4			
Puerperal fever	2				2	2	1			1	
Erysipelas	2				2	2	1			1	
Other septic diseases											
Phthisis (Pulmonary Tuberculosis)	121			7	18	121	46	26	2	4	2
Other tubercular diseases	54	19	15	9	4	54	29	12	2	3	8
Cancer, malignant disease	90				56	90	41	25	2	4	5
Bronchitis	132	25	12	3	1	132	92	25	1	13	4
Pneumonia	181	35	58	8	3	181	110	51	2	2	13
Pleurisy	9			1	1	9	5	3		1	1
Other diseases of Respiratory Organs											
Alcoholism—Cirrhosis of liver	15				14	15	8	1	1	2	2
Veneral diseases											
Premature birth	61					61	34	21	3	2	1
Diseases and accidents of parturition											
Heart diseases	155	2	3	6	8	155	73	42	7	1	7
Accidents	14	1		3	3	14	7	4		4	2
Suicides	8				2	8	4	2	1	1	1
All other causes	700	177	55	26	20	700	362	201	22	18	69
All causes	1812	409	267	84	66	1812	1004	476	50	32	135

Infantile Mortality during the year 1907.

CAUSE OF DEATH.	Under 1-yr																
	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 mos.	2-3 mos.	3-4 mos.	4-5 mos.	5-6 mos.	6-7 mos.	7-8 mos.	8-9 mos.	9-10 mos.	10-11 mos.	11-12 mos.	Total
All Causes:	78	19	15	16	128	50	39	24	19	24	22	19	17	17	22	23	404
Certified	6	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	6
Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Common Infectious Diseases:—																	
Smallpox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chickenpox	..	..	..	..	..	..	2	..	..	2	1	4	6	8	8	10	42
Measles	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1
Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria; Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	1	1	..	1	..	..	..	1	1	1	1	7
Diarrheal Diseases:—																	
Diarrhea, all forms	..	..	1	1	2	3	4	3	3	6	3	1	1	1	3	..	30
Enteritis, Muco-Enteritis and Gastro-Enteritis	..	1	..	..	1	1	1	2	..	1	..	1	..	..	1	..	4
Gastritis, Gastro-intestinal Catarrh	..	..	1	1	2	1	1	..	..	1	..	1	..	..	1	..	7
Wasting Diseases:—																	
Premature Birth	48	5	3	3	59	2	..	..	..	..	..	..	..	..	..	..	61
Congenital Defects	5	..	1	..	6	1	..	1	..	..	..	..	..	..	..	..	8
Injury at Birth	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Want of Breast Milk; Starvation	2	1	1	..	4	1	2	..	..	..	..	..	..	..	..	..	7
Atrophy, Debility, Marasmus	10	4	5	4	23	16	9	8	3	4	7	1	4	..	3	..	78
Tuberculous Diseases:—																	
Tuberculous Meningitis	..	..	..	..	..	..	4	2	..	1	2	1	..	..	..	1	3
Tuberculous Peritonitis; Tuberc Mesenterica	..	..	..	..	..	..	2	..	..	1	..	1	..	..	..	1	10
Other Tuberculous Diseases	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	5
Other Causes:—																	
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Syphilis	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2
Rickets	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	4
Meningitis not tuberculous	3	3	1	2	9	5	1	1	1	1	..	1	..	..	..	1	18
Convulsions	..	..	1	2	3	5	4	1	2	2	1	5	1	1	..	..	25
Bronchitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pneumonia	..	..	..	1	1	..	2	3	..	3	5	2	2	3	3	7	35
Smothering, overlaying	1	..	1	1	3	3	1	..	1	..	1	..	..	..	..	..	9
Other Causes	15	5	..	1	21	7	6	1	2	..	2	1	1	3	2	3	49
	84	19	15	16	134	50	39	24	19	24	22	19	17	17	22	23	410

TABLE 1.—Deaths Registered in the Borough of Birkenhead during the Year ending December 31st, 1907.

[illegible]

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1907.

[illegible]

NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes one day extra.

	22	26	15	16	17	27	21	30	24	21	34	28	34	31	5	49	37	25	36	25	36	16	25	11	20	16	13	10	31	3	14	18	18	11	16	'92	36	21	12	10	10	13	20	20	1	19	14	14	16	13	12	16	12	18	16	192	1021	1829
Total	22	26	15	16	17	27	21	30	24	21	34	28	34	31	5	49	37	25	36	25	36	16	25	11	20	16	13	10	31	3	14	18	18	11	16	'92	36	21	12	10	10	13	20	20	1	19	14	14	16	13	12	16	12	18	16	192	1021	1829

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1907.

CLASS.		CAUSE OF DEATH.										TRANSMERE SUB-REGISTRATION DISTRICT.										TOTAL FOR DISTRICT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	Qr.	4th	Year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes one day extra.

TABLE II.—Weekly Register of Deaths in the County Borough of Birkenhead for the Year ending December 31st, 1907.

[illegible]

NOTE.—The weeks end January 7th, 14th, 21st, &c., the last week in the year includes one day extra.

TABLE III.—Weekly Condensed Register of Deaths for 1907.

[illegible]

TABLE V.
STREET REGISTER OF DEATHS.

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Abbey street	4	1	Back Havelock street ..		
Abbey terrace	1		Back Oliver street ..		
Abbot street	3		Back Oxtan road ..		
Aberdeen street ..			Back Portland street ..		
Ackworth place ..	1		Back Pilgrim street ..		
Acton Road			Back Price street ..	1	
Adelaide road			Back St. Anne street ..	12	1
Adelphi street	6		Balls road	1	
Albert place	1		Balls road east	5	2
Albert road	2		Bankville road	2	1
Albert street			Banning street	4	
Albert terrace			Barnard road	2	
Albion street			Barnston street ..	3	
Albion terrace			Barton street	2	
Alexandra road ..	2		Baytree road	1	
Alexandra drive ..	1		Beaconsfield road ..	1	
Alfred road	2		Beaufort road	1	
Alison street			Bebington road ..	2	1
Allcot avenue	1		Beckwith street ..	15	4
Allerton grove ..	1		Bedford place	2	
Allerton road	1	1	Bedford road	5	
Alma street			Bedford street	2	1
Alpha Drive	1		Beech road	2	1
Alvanley place ..			Beech view (Sydney terr		
Amery grove	1		Belgrave terrace ..		
Anglesea terrace ..	1		Belmont grove		
Apple grove	2		Bennetts hill	2	
Argyle street	3		Bentinck place	4	
Argyle street south	7		Bentinck street ..	13	
Arno road	2		Bentinck terrace ..	1	
Arnside road			Bentley road	1	
Arrow place	1		Beresford road		
Arthur street	5	2	Berry street	9	4
Ash road			Bertha street	4	2
Ashburton road ..			Bessborough road ..	1	
Ashford road			Bidston road	1	
Ashley street			Birch road		
Ashville road	1		Birkenhead park ..		
Aspendale road ..	3		Blackpool street ..		
Aspinall street ..	1		Blandford street ..		
Astonwood Road ..	1	1	Blucher street	2	
Atherton street ..	1		Bold street		
Athol terrace			Booth street		
Austin street	4	2	Borough road	26	1
Back Beckwith terrace	1		Boundary road		
Back Camden street ..			Brandon street		
Back George street ..					

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only	STREETS.	Total from all Causes.	From Zymotic Diseases only
Brussey street ..	3		Charlecombe street ..	3	
Brattan road ..	2		Charles street ..	1	
Bray street ..	2		Charlesville ..	2	
Briardale road ..	3		Chatham road ..	3	1
Bridge street ..	7		Chatsworth road ..		
Bridge End terrace ..			Chesnut grove ..	5	
Bright street ..			Chester street ..	6	1
Brill street ..	1		Chetwynd road ..		
Brimstage street ..			Christchurch road ..		
Brook place ..	1	1	Church road ..	6	1
Brook square ..	1	1	Church street ..	2	
Brook street ..	29	7	Church terrace ..		
Brookland road ..			Churchill avenue ..	3	
Broom Hill ..			Circular road ..	1	
Brougham street ..	4	1	Clare street ..	1	
Brunswick street ..	4		Clarence road ..		
Buckingham avenue ..			Clarendon street ..	2	
Budworth road ..			Cloughton firs ..	1	
Bulwer street ..	2		Cloughton place ..		
Buxton road ..	1		Cloughton road ..	13	2
Brancote road ..	1		Clayton street ..	2	
Cacrwys grove ..			Cleveland avenue ..	6	
Caldy place ..			Cleveland street ..	15	4
Cambridge place ..	1		Clifton crescent ..	3	
Camden street ..	6		Clifton road ..	1	
Campbell terrace ..	1		Club row ..		
Camperdown street ..	2		Clwyd street ..		
Canning street ..	3	1	Clyde street ..		
Canterbury road ..	3		Cobden place ..	3	1
Cardigan street ..	1		Cobden street ..	7	1
Carlisle street ..	3		Coburg street ..	1	1
Carlton mount ..			Cole street ..		
Carlton road ..	1		Collingwood street ..	3	
Carnforth street ..	9	3	Columbia road ..		
Carnforth terrace ..	3	2	Combermere terrace ..	1	
Caroline place ..			Connet street ..	1	
Carpenter's row ..			Connaught street ..	2	
Castle street ..	2	1	Connor's court ..		
Cathcart street ..	9	1	Conway place ..	1	
Catherine street ..	1		Conway street ..	16	1
Cavendish drive ..	1		Cook street ..		
Cavendish road ..			Corfu street ..		
Cavendish street ..	3		Corporation road ..	4	2
Cearns road ..			Cottage street ..	4	
Cedar street ..			Coventry street ..		
Challis street ..			Cranbourne avenue ..	1	
Chamberlain street ..			Craven place ..	1	
Chapel place ..	1		Craven street ..	4	1
Chapel square ..	1		Crofton road ..	1	
Chapel street ..	3		Crown street ..	2	1

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Croxteth street ..	1		Faleon road ..	2	
Cumberland place ..			Fairelough lane ..	1	
Cyprus street ..			Fairfax road ..	3	
Daere street ..	5	2	Fairfield road ..	2	
Dale street ..	1		Fairview road ..	2	
Davies street ..	5	1	Farm road ..	2	
Dee street ..	1		Fearnley road ..		
Dell road ..	1		Field street ..	5	2
Derby park ..			Flamank street ..	14	5
Derby road ..	2		Flaybriek hill ..		
Derby street ..	5		Flint street ..		
Derwent road ..			Florence street ..	3	1
Devonshire road ..	2		Fore street ..		
Dial road ..			Forest road ..		
Dingle road ..			Fountain street ..	5	
Donegal street ..			Fox street ..	4	
Douglas street ..			Francis avenue ..		
Dover street ..	1		Frederick street ..	8	2
Downham road ..	3	1	Frodsham street ..	3	
Duke street ..	5	1	Garfield place ..		
Duncan street ..	2		Garner's place ..		
Dundonald street ..	2		Garnet street ..	5	1
Eagle court ..			George street ..	3	
Earl street ..	8		German ter. (Priece st.)		
Eastbourne road ..	2		Gertrude street ..		
Eastham street ..	1		Getley street ..	1	1
Eaton road ..			Gladstone road ..		
Ebenezer street ..	1		Gladstone street ..	6	2
Edgar street ..	2		Glasgow street ..		
Egerton park ..	5		Glover street ..	1	
Egerton street ..	3		Gomer street ..		
Eldon place ..	10	3	Gordon street ..		
Eldon road ..	1		Gore street ..	1	
Eldon street ..	1		Gothic street ..	1	1
Elgin street ..	7	1	Grace street ..	1	
Elizabeth place ..	2		Grace terrace ..	1	
Elm grove ..			Grafton street ..		
Elm road ..			Grange mount ..	5	
Elm street ..			Grange road ..	2	
Elmswood road ..	11		Grange road west ..	2	
Enfield terrace ..			Grange street ..	1	
Erskine street ..	1		Grasville road ..	2	1
Esplanade south ..			Green lane ..	5	1
Etna street ..			Green lawn ..	1	
Eton place ..			Greenbank road ..		
Euston grove ..	2		Greenfield street ..	5	3
Evan's court ..			Greenway road ..	5	1
Evan's place ..			Grenville road ..	1	
Exmouth street ..	8	3	Grosvenor place ..	1	

TABLE V.—*Continued.*

STREETS	Total from all causes.	From Zymotic Diseases only	STREETS.	Total from all causes.	From Zymotic Diseases only
Grosvenor road.. ..			Holt road	2	1
Grosvenor street	4		Holt terrace	1	
Grosvenor terrace			Hope street	1	
Grove mount			Horatio street		
Grove road	4		Hornby street	1	
Haddon road			Houldin's place		
Halcyon road	2		Howard street	1	1
Halkin street			Howbeck road		
Hamilton lanc	2		Howe street	1	
Hamilton square	4	1	Howson street	2	
Hamilton street			Hoylake road		
Hamilton view	2		Hughes' buildings		
Hampden grove			Huskisson street	2	
Hampden road	2		Ingestre road	1	
Hampton street	1		Ivy court		
Harcourt street.. ..	2		Ivy street	6	2
Harland road			Ivydale road	1	
Harriet street	2		James street	2	
Harrowby road	4		Jessamine road		
Harrowby road south	2	1	John street	1	
Hartington Avenue	1		Keightley street	2	
Hatherley street	2		Kellett's place		
Havelock street.. ..	1	1	Kelvin road	1	1
Hawarden avenue	1		Kendal street	2	
Hazel road			Kent place	2	
Heath bank road			Kent street		
Heathfield road			King street	2	
Heath terrace			King's mount		
(Bennett's hill)			Kingsland road	1	
Helmingham road			Kingsmead road north.. ..		
Hemingford street			King-mead road south		
Hemingford terrace	1		Kipling avenue		
Henry street	4	1	Kimmel street	3	1
Henthorne street			Kirkland avenue	2	
Herbert place			Knowles street	1	
Highfield crescent	1		Knowsley road	2	
Highfield grove.. ..	2		Laird street	6	1
Highfield grove south	1		Lansdowne road	3	
Highfield road	2		Larch road	4	1
Highfield south.. ..	2		Laurel road	1	
Hillside road	2		Laxey terrace		
Hilton street	3		Lea street		
Hind street	2		Leicester street	7	3
Hinderton road.. ..	3	1	Leicester terrace		
Hinson street	2		Leighton road	1	
Holborn hill			Leinster street		
Holly bank road			Leta street	1	
Holme lane	1		Lever terrace		
Holt hill.. ..	2		Lilly street	1	
Holt hill terrace			Lingdale road	1	

TABLE V.—*Continued.*

STREETS.	Total from all causes.	From Zymotic Diseases only.	STREETS.	Total from all causes.	From Zymotic Diseases only.
Lingdale road north ..			Milner street ..		
Linwood road ..	3		Milton road ..	2	
Livingstone road ..	5	4	Milton street ..	1	1
Livingstone street ..	9	2	Mollington street ..	1	
Lord street ..	5	1	Mona street ..	1	
Lorne road ..			Monk street ..	2	
Lorn street ..			Moon street ..	4	
Lowe street ..			Moorland road ..	2	1
Lower Ivy street ..			Moreton street ..	1	
Lower George street ..			Morecroft road ..	1	
Lowther street ..	12	2	Morley avenue ..	1	
Lowwood grove ..	2		Mornington street ..	5	2
Lowwood road ..			Morpeth buildings ..	7	1
Lunar street ..	1	1	Mortimer street ..	1	
Lees avenue ..	3	2	Mounsey road ..		
Maddock street ..	1		Mount grove ..	1	
Maple street ..	2		Mount Pleasant ..	3	1
Malta street ..	1		Mount road ..	2	
Manor hill ..	1		Mount street ..	2	1
Manor road ..			Mulberry road ..	2	
Marcus street ..			Munster street ..	2	1
Marion grove ..			Myrtle court ..	1	1
Marion street ..	3		Myrtle place ..	1	
Market ..			Myrtle street ..	2	
Market street ..	6	1	Nelson road ..	3	
Marlborough grove ..	2		Nelson street ..	2	
Marquis street ..	1		Neptune street ..	3	1
Marsden villas ..			Neston street ..	2	1
Marshall place ..			Newburn's lane ..	1	
Mason's court ..			New Chester road ..	14	
Mason street ..	2		Newling street ..	4	1
Mather road ..	1		Newton street ..	1	
Maybank road ..	9	2	Norman street ..	1	
Meadow lane ..	3		North road ..	1	
Meadow place ..			Oak street ..	6	1
Meadow street ..	2	1	Oakfield view ..	3	
Medway road ..	2	1	Oak tree cottages ..	1	
Mellor road ..	2		Oak tree place ..	3	1
Menai street ..	2		Old Bidston road ..	7	1
Mersey lane south ..			Old Chester road ..	14	2
Mersey road ..	3		.. .. Rock Ferry ..		
Mersey street ..			Old Priory ..	1	
Merton place ..			Olive crescent ..		
Meteor street ..	2		Olive mount ..		
Metluen street ..	1	1	Oliver place ..		
Midland street ..	6	1	Oliver street ..	20	5
Mill street ..	1		Orchard road ..	1	
Miller's place ..	3	2	Orderly avenue ..		
Millbank cottages ..	1		Orderly home ..		

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes	From Zymotic Diseases only.
Orderly place ..	..		Quarry bank street ..		
Orderly residence ..	..		Queen's buildings(Ato K) ..	21	5
Oriel road ..	3		Queen's Buildings (Tran)		
Osmond street ..	7	3	Queen's place ..	4	
Oxton road ..	6		Queen's street ..		
Palm hill ..	..		Queensbury street ..	2	1
Palmerston street ..	..		Quigley street ..	2	
Parkfield avenue ..	21		Radnor place ..	..
Parkfield place ..	3		Raffles road ..	3	
Parkside road ..	..		Railway road ..	1	
Park grove ..	..		Randle street ..	1	
Park road ..	3	1	Ravenscroft road ..	..
Park road east ..	9	1	Rawcliffe road ..	..
Park road north ..	7	1	Redmond street ..	..
Park road south ..	1		Reedville ..	1	
Park road west..	1		Rhoden's place ..	..
Park street ..	6	1	Rhyl street ..	3	
Parr's lane ..	..		Richmond cottages ..	..
Paterson street..	4		Richmond terrae ..	1	
Patten street ..	5	2	Ridley street ..	5	
Payson street ..	14	3	Rimmer's court..	..	
Pearson road ..	2		Ripon street ..	1	
Peel street ..	10	2	Roberts street ..	3	1
Pensby street ..	3	1	Rochester road ..	4	
Penrith street ..	1		Rock lane east ..	4	
Perzy place ..	..		Rock lane west ..	3	
Pilgrim street ..	..		Rock park ..	2	
Pitt street ..	3		Rockville street..	4	
Planet street ..	1		Rocky bank road ..	..
Pleasant street ..	4		Rodney street ..	12	
Plymouth place .	1		Roe street ..	..
Pool street ..	..		Ronilly street ..	..
Poplar grove ..	..		Rose cottages ..	..
Poplar road ..	3		Rose mount ..	1	
Powell street ..	1		Rose street ..	..
Prenton road east .	1		Roseberry grove ..	2	
Prenton road west ..	2		Rosedale road ..	..
Price street ..	34	3	Roslyn street ..	4	2
Prince Edward street	2	1	Rowland street ..	2	
Princes place ..	3		Roxburgh avenue ..	2	
Princes street ..	2		Rundle street ..	1	
Princes terrace ..	1		Ruskin avenue ..	1	
Princess terrace ..	2		Russell place ..	1	
Priory court ..	2		Russell road ..	2	
Priory street ..	1		Russell street ..	1	1
Prospect place ..	3	2	St. Andrew's road ..	1	
Pym street ..	2	1	St. Anne street..	26	7
Quarry bank ..	1		St. Anne's terrace ..	1	
Quarry bank place ..	1		St. George's avenue ..	..

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only	STREETS.	Total from all Causes.	From Zymotic Diseases only
St. John street ..	1		Stewart's place ..	1	
St. Mary's street ..			Stewart street ..	1	1
St. Mary's avenue ..			Stoke street ..	2	2
St. Mary's gate ..	3		Storeton road ..	1	
St. Paul's place ..	1		Stuart road ..		
St. Paul's road ..	9	1	Sum street ..	7	2
St. Peter's road ..			Sussex street ..		
Salem view (Storeton rd.)			Swan's court ..		
Salisbury street ..	3		Swan's place ..		
Samuel street ..			Sycamore road ..	2	
Sandford street ..			Tall ot road ..		
Saxon street ..	1		Tatton road ..	1	
School place ..	3	2	Taylor's buildings		
Scott's place ..	2		Taylor street ..	1	
Sea bank cottages	1		Temple road ..		
Sea bank road ..			Tennyson Avenue		
Seaton road ..			Thomas court ..		
Sefton road ..	1		Thomas street ..	7	3
Seymour street ..	2		Thompson street	1	
Shakespeare avenue			Tollenahe road	1	
Shaw terrace ..	1		Tory place ..		
Shore road ..			Tower hill ..		
Shotwick street ..			Tower road ..	5	1
Shrewsbury road ..	5		Town road ..	1	
Shrewsbury road north			Trinity street ..	1	
Sidney buildings ..	3		Tudor road ..	1	
Sidney road ..	3	2	Tunnel road ..	2	
Sidney street ..			Turner street ..	2	1
Sidney terrace ..			Union street ..		
Silverdale road ..	1		Upper Beckwith street	3	
Simpson street ..	2		Upper Brassey street		
Slatey road ..			Upton road ..	2	
Somerville street ..	3	1	Vernon place ..	3	
South bank ..			Vicar's court ..	1	1
South hill road ..	3	1	Victoria drive ..		
South Reserve ..			Victoria mount ..	2	
South road ..			Victoria road ..	4	
Southwick road ..	1		Village road ..		
Spring street ..	2		Village terrace ..	1	
Spring villas ..			Vincent street ..		
Stafford street ..	2		Vine street ..	9	
Standard place			Vittoria street ..	10	
(St. Paul's road)			Vulcan street ..	2	
Stanley court ..	4	1	Walker street ..		
Stanley place ..	1		Walton street ..	1	
Stanley road ..	2		Waring avenue ..	1	
Stanley street ..	4	1	Warrington street	2	
Stanway place ..	1		Warwick street ..	4	
Star street ..	2				

TABLE V.—*Continued.*

STREETS.	Total from all Causes.	From Zymotic Diseases only.	STREETS.	Total from all Causes.	From Zymotic Diseases only.
Water street ..	3	1	William street ..	9	3
Waterford road..	1		William's cottages ..		
Waterloo place ..			Willmer road ..	1	
Watson street ..	8	2	Willow bank road ..	1	
Waverley grove ..			Willow street ..		
Well lane ..	1		Willy street ..	4	2
Wellesley street ..	1		Wilson street ..	5	
Wellington road ..	1	1	Wilton road ..		
Wellington terrace ..			Wilton street ..	3	1
Wesley street ..	1		Windsor place ..		
Wesley terrace ..			Windsor street ..	3	
West view ..	1		Wirral street ..	1	
West bank road ..	2		Woburn place ..	2	
Westbourne road ..	3		Wood street ..	5	3
Westbury street ..	1		Woodchurch lane ..		
Westminster road ..	1		Woodchurch road ..	8	1
Wexford road ..			Woodland avenue ..	2	
Whalley road ..			Woodlands grove ..		
Whetstone lane ..	6		Woodlands road ..		
Whetstone view ..	1		Woodland terrace ..	1	1
White street ..	8	4	Woodlands ..	4	
Whitfield place..			Woodville road ..	4	1
Whitfield street..	3	1	Wordsworth avenue ..		
Whitford road ..	8	1	Wycherley road ..		
Wilbraham street ..			Wycliffe street ..	1	
Wilbraham terrace ..			Wye street ..	3	
Wilkinson street ..	1		Yelverton road ..	3	
Wilk's court ..			York place ..		
Willan street ..			Zetland road ..	1	1
Willaston place..	3	2			

SUPPLEMENT TO TABLE V.

RETURN OF DEATHS in Birkenhead Union Hospital and Workhouse during 1907.

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Jan. 1	F	63	Qtr'master's wife	Lobar pneumonia..	16-2-06	16 Brimstage st
3	M	40	Grain porter ..	Hæmorrhage ..	1-1-07	12 Earl street
4	F	85	Ry Porter's widow	Senility ..	19-2-02	4 Wilton street
4	M	72	Dock labourer ..	Lobar pneumonia..	18-6-06	219 Chester street
6	M	75	Sup. wareh's man	Cere hæmorrhage ..	4-1-07	14 Fountain st
7	M	39	Dock labourer ..	Cirrhosis of liver ..	2-1-07	43 Queensbury st
5	M	54	Carter ..	Paraplegia ..	4-9-06	36 Orchard road
7	M	76	Bl'smith's striker	Lobar pneumonia..	5-1-07	19 Seabank cotta
9	F	62	Cab'nt mak widow	Chronic bronchitis	19-10-03	264 Price street
14	M	55	General labourer	Myelitis ..	9-5-01	8 Munster street
16	F	71	Gen lab widow ..	Cerebral softening	24-12-04	97 Brook street
17	F	43	Master mar wife	Alcoholism ..	15-1-07	27 Gladstone st
17	M	46	Dock labourer ..	General paralysis..	8-1-07	9 St. Anne street
17	M	63	General labourer	Cere hæmorrhage ..	4-9-05	214 Chester street
20	M	82	Form a coalh' ver	General paralysis ..	4-9-05	101 Back Price st
21	M	78	Form a joiner ..	Heart disease ..	4-3-00	13 Apple grove
21	F	24	Gen lab daughter	Pulmonary Phthisis	17-12-06	4 Barnston street
21	F	81	Waterman's wido	Intestinal obstructn	27-4-98	93 Brook street
22	M	15d	Dom servant's son	Congenital debility	7-1-07	56 Church road
24	M	65	Blacksmith ..	Cere hæmorrhage ..	10-2-04	17 Vulcan street
25	M	57	General labourer	Lobar pneumonia..	24-1-07	32 Grange road
22	F	81	Shoemaker's wido	Heart disease ..	25-7-03	101 St. Anne st
27	M	46	Joiner ..	Cerebral softening	24-9-06	91 Cobden street
31	M	34	Dock labourer ..	Pulmon tuberculosis	4-12-06	100 Church street
Feb. 1	M	68	Ironworks labour	Cere hæmorrhage ..	23-1-07	25 Leicester street
3	F	34	Seaman's wife ..	Puerperal fever ..	2-2-07	45 Craven street
4	M	48	Dock labourer ..	Heart disease ..	6-11-06	46 Price street
5	F	43	Insur agent's wife	Pulmon tuberculosis	14-1-07	5 Jessamine road
7	M	64	Furniture dealer	Chronic bronchitis	28-1-07	21 Salisbury st
7	F	47	Saus skin deal wfe	Cerebral apoplexy..	7-2-07	151 Brook street
8	M	68	Cotton porter ..	Debility ..	23-1-07	41 Old Bidston rd
8	M	75	Joiner ..	Fatty degen heart	14-5-06	27 Fairview road
6	M	71	Commercial clerk	Pneumonia ..	12-10-06	75 Market street
7	M	49	General labourer	Chronic bronchitis	5-1-07	10 Waterloo place
7	M	50	W'house mas clerk	Chronic bronchitis	29-9-99	Union Workhouse
11	F	64	Ship p'nters widow	Heart disease ..	8-2-07	194 Claughton rd
12	F	17	Dec boiler daugh	Heart disease ..	26-6-06	5 Walton street
15	F	79	House paint wido	Heart disease ..	28-1-07	5 Davies street
15	M	60	General labourer	Cancer of Tongue ..	26-10-06	44 Beckwith street
15	F	70	Carter's widow ..	Heart disease ..	1-2-07	65 Holt hill
18	F	53	Navy gan wife..	Cerebral softening	29-1-07	11 Cobden place
18	M	72	Dock labourer ..	Hemiplegia ..	15-9-98	333 Price street
18	M	31	General labourer	Pulmon tuberculosis	5-9-06	98 Church street
18	F	36	Spinster of no oce	Cerebral apoplexy..	28-10-98	12 Richmond cott
15	F	51	Dock labour wife	Cancer ..	21-11-06	36 Milner street
21	M	67	Butcher ..	Chronic bronchitis	16-10-06	32 Sandford street
21	M	74	Carpenter ..	Arterio Sclerosis ..	15-12-06	2 Millar's place
24	M	33	General labourer	Pulmon tuberculosis	2-6-05	22 Pleasant street
24	M	53	No occupation ..	Chronic bronchitis..	19-5-99	171 Bridge street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Feb. 18	F	72	Ry engine driv wid	Mening & pneumon	22-1-07	63 Bk St Anne st
23	M	25	B'smith strik's son	Imbecility & epilep	25-4-96	22 William street
26	F	46	Corpora Lab wife	Chronic bronchitis	14-2-07	3 Campbell terra
24	M	50	Mastercycle maker	Rupture of an aneur	24-2-07	88 Church road
27	M	40	Dock labourer ..	Convulsions ..	26-2-07	171 Brook street
28	M	72	General labourer	Cerebral softening..	7-1-02	9 Lower Ivy street
Mar. 2	M	69	General labourer	Heart disease ..	7-6-98	75 Market street
2	F	76	Rly clerk's widow	Chronic rheumatism	21-2-07	31 Harland road
2	F	61	Fitters lab widow	Heart disease ..	19-2-07	1 Belgrave terrace
3	F	50	Carpenter's wife	Chronic bronchitis	25-1-07	2 Wilton street
6	M	52	Coalheaver ..	Heart disease ..	5-3-07	22 Earl street
7	M	56	Gardener ..	Cancer ..	9-11-05	2 Waterloo place
12	M	56	Stonebreaker ..	Cere hæmorrhage ..	1-5-05	35 Queensbury st
13	M	16	Dec carp'ters son	Epilepsy ..	21-2-99	396 Price street
13	M	61	General labourer	Pulmon tuberculosis	20-2-07	1 Priory place
15	M	46	General labourer	Pulmon tuberculosis	19-1-07	of Birkenhead
16	M	44	Carter ..	Pneumonia ..	14-3-07	91 Holt road
16	F	14m	Laundress' daugh	Meningitis ..	10-10-03	3 Richmond cotta
21	M	35	Stat engine driver	Pulmon tuberculosis	16-3-07	139 Cleveland st
20	M	50	Dock labourer ..	Blood poisoning ..	18-3-07	196 Beckwith st
22	M	33	Marine fireman ..	Phthisis ..	16-11-06	75 Market street
23	M	85	General labourer	Senile decay ..	18-7-93	6 Thomas street
24	M	85	Hawker ..	Senile decay ..	5-11-06	of Birkenhead
25	F	73	Engine fitter's wid	Senile gangrene ..	22-3-07	178 Grange road
26	F	53	Dec warehse's dau	Carcinoma of breast	18-9-06	85 Dacre street
26	M	30	Seaman ..	Cancer ..	5-3-07	Morpeth dock
26	M	60	Coalheaver ..	Bronchitis ..	25-3-07	48 Roslyn street
28	M	51	General labourer	Phthisis ..	4-2-07	10 Waterloo place
29	F	70	Ship watchm's wid	Shock, con. fracture	27-3-07	33 Keightley st
30	M	58	General labourer	Debility ..	23-8-97	15 Cleveland av
April 1	F	3 mi	Seaman's dau, ht	Premature birth ..	1-4-07	55 Church road
3	M	6	General lab son ..	Laryngitis ..	15-3-07	67 Wood street
6	M	31	Boiler scaler ..	Phthisis ..	19-12-06	5 Willaston place
6	F	29	Seaman's wife ..	Childbirth ..	20-3-07	255 St. Anne st
8	F	48	Dock labour's wife	Paralysis ..	30-3-07	83 Brook street
9	M	45	Gardener ..	Phthisis ..	19-2-07	25 Mount grove
11	M	60	Dock board labou	Pneumonia ..	2-4-07	2 Olive mount
15	M	74	Bootmaker ..	Heart disease ..	23-6-02	8 Eaton place
16	F	45	Wheelwright's wif	Cere hæmorrhage ..	28-3-07	215 Market street
16	M	63	Dock labourer ..	Sarcoma ..	18-7-06	140 Chester street
16	M	71	Dock labourer ..	Cardiac disease ..	5-4-07	13 Cleveland st
15	M	59	Marine fireman ..	Cardiac disease ..	21-2-05	140 Chester street
21	M	3m	Dom serv's son ..	Gastro enteritis ..	12-1-07	56 Church road
20	M	27	Whitesmith ..	Cardiac disease ..	2-9-96	26 Princes place
21	M	15	Tailor's son ..	Tuberculosis ..	7-3-04	11 Getley street
24	M	79	Boilermaker ..	Senile decay ..	22-2-05	8 Richmond cotta
27	F	60	General lab wife ..	Cardiac disease ..	31-3-07	6 Lunar street
29	F	23	Carter's daughter	Phthisis ..	10-4-07	4 Bk Oliver st
20	M	40	Old clothes gather	Phthisis ..	25-4-07	47 Payson street
May 1	M	55	Dock labourer ..	Cancer ..	27-3-07	42 Mornington st
1	F	68	General lab widow	Bronchitis ..	7-11-04	2 Arthur street
2	M	37	Clarionet player..	Cardiac disease ..	23-4-07	9 Market street

SUPPLEMENT TO TABLE V—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.		Date and Address of Deceased when admitted.
May 7	M	29	Of no occupation	Idiocy	..	28-8-94 2 Camden street
9	F	18	Dec Bricklyr's dau	Bronchiectasis	..	7-5-07 78 Earl street
3	F	35	Joiner's lab wife	Childbirth	..	1-5-07 4 Carnforth terr
10	F	72	Plaster's lab wido	Senile dementia	..	15-8-01 31 Carnforth st
11	M	52	General labourer	Phthisis	..	25-8-05 of Tranmere
12	M	55	Shoemaker	Hemiplegia	..	13-1-06 47 Derby road
14	F	43	Coalheaver's wido	Phthisis	..	6-3-07 77 Thomas street
18	M	71	Commercial clerk	Apoplexy	..	12-11-06 35 White street
22	M	54	Shipwright	Bronchiectasis	..	3-12-06 7 Chapel street
20	M	53	General labourer	Apoplexy	..	18-5-07 203 Market street
22	F	45	General lab wife	Cardiac disease	..	16-4-07 11 Cleveland av
22	M	59	Dock labourer	Cirrhosis of liver	..	13-4-07 15 Chapel street
24	M	45	Coalheaver	Phthisis	..	14-2-07 25 Park street
25	M	36	Baker's vanman	Cardiac disease	..	29-3-07 6 Hope terrace
2	F	67	B'smith's lab wife	Exhaustion	..	16-12-99 Oliver street
28	M	59	Clogger	Paralysis	..	16-4-07 23 Brunswick st
25	F	68	Joiner's widow	Cancer of uterus	..	12-1-00 25 Carnforth st
30	M	78	Shipwright	Bronchitis	..	31-10-04 10 William street
30	M	47	Bricklayer's lab..	Phthisis	..	8-4-07 21 Meadow lane
June 2	F	72	Seaman's widow	Cardiac disease	..	14-12-99 3 Wycliffe street
3	M	55	House painter	Brain disease	..	31-7-05 15 Grange road
7	M	27	Bricklayer's lab	Phthisis	..	21-5-07 12 I Queen's build
4	M	68	General labourer	Arterio sclerosis	..	21-5-07 11 Oak street
8	M	48	Dock labourer	Erysipelas	..	25-5-07 39 Ivy street
11	M	2m	General lab son..	Tabes mesenterica	..	17-5-07 33 Thomas street
11	M	73	Upholsterer	Pulmon tuberculosis	..	8-6-07 218 Price street
13	M	39	General labourer	Pneumonia	..	28-5-07 of Tranmere
15	M	70	Ship's watchman	Senile decay	..	12-4-07 8 Radnor place
16	F	59	Boilermak lab wid	Cardiac disease	..	29-5-07 50 Ivy street
18	M	49	General labourer	Phthisis	..	1-5-07 32 Grange road
20	M	62	Cab driver	Cerebral softening	..	17-6-07 4 Upton road
23	M	50	General labourer	Phthisis	..	8-1-07 214 St Anne st
29	F	80	Carrier's widow	Senile decay	..	23-4-07 45 Thompson st
29	M	23	General labourer	Phthisis	..	26-2-07 75 Market street
30	F	58	Police Constab wid	Phthisis	..	28-5-07 4 Warwick street
28	M	63	Fisherman	Hemiplegia	..	22-11-06 of Birkenhead
29	M	63	Boilermaker's lab	Bronchitis	..	28-6-07 of Birkenhead
29	M	22	Shoemaker	Fracture of thigh	..	20-6-07 9 Union street
July 5	M	20	General labourer	Phthisis	..	29-6-07 6 Quigley street
8	F	68	Dock lab widow..	Bright's disease	..	14-4-06 53 Flamank street
9	F	60	Bootmaker's wife	Larynge obstruction	..	15-6-07 16 St. Mary's av
15	F	67	Baker's widow	Cerebral apoplexy	..	6-7-07 36 Berry street
17	M	37	Ironmon assistant	Phthisis	..	21-6-07 64 Bedford road
19	M	49	Coalheaver	Pneumonia	..	15-7-07 43 Brunswick st
19	F	14	Dec gen lab daugh	Phthisis	..	20-6-07 9 Abbot street
20	M	66	Night watchman	Cardiac Bronchitis	..	4-7-07 2 Quigley street
20	M	2m	Laundress' son	Tabes mesenteric	..	13-5-07 56 Church road
20	M	59	General labourer	Phthisis	..	13-4-07 58 Morpeth bldgs
24	M	68	Dock labourer	Cardiac phthisis	..	19-11-06 11 Romilly street
27	F	3m	Charwoman's dau	Tabes mesenterica	..	1-7-07 56 Church road
29	F	69	Spinster	Phthisis	..	18-8-99 3 Rushton's court
30	F	30	Ship paint lab wif	Carcinoma uteri	..	27-7-07 20 Osmond street

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age.	Occupation &c.	Cause of Death	Date and Address of Deceased when admitted.
July 30	M	73	Boilermaker ..	Senile decay ..	13-5-07 143 Chester street
31	M	64	Tug boat mate ..	Dementia ..	27-4-98 1 Abbey street
Aug. 1	M	52	Bricklayer's lab. ..	Phthisis ..	9-5 07 91 Peel street
1	F	44	Butcher's widow	Carcinoma Breasts	3-8 01 67 Tunnel road
2	F	19	Dec cattle deal dau	Phthisis ..	15 3-07 25 Munster street
4	M	78	General labourer	Senile decay ..	12-1-01 Borough hospital
5	F	4m	—daughter ..	Tabes mesenterica	4-1-07 56 Church road
8	M	44	General labourer	Phthisis ..	1-6 07 35 Geenfield street
10	F	52	Plater's lab wife	Cancer nteri ..	26-7-07 35 Queensbury st
12	M	30	Wine mer carter	Tubercular Ankle ..	5-3-07 189 Gladwith st
14	M	23	Boiler cleaner ..	Phthisis ..	1 5-07 3 Cobden place
15	M	16	House painter son	Cardiac disease ..	22-7 07 36 Mill street
16	M	36	Dock labourer ..	Phthisis ..	1-6-07 100 Church street
16	M	41	General labourer	Brights disease ..	17-6-07 12 Flamank st
19	M	68	River waterman	Senile decay ..	31-7-07 37 Pleasant st
21	F	73	Gen labour widow	Cerebral apoplexy..	4-6-07 3 Chapel place
27	F	50	Dec build daught	Pernicious Anæmia	20 8-07 26 Gladstone st
29	M	77	Coachman ..	Carcinoma liver ..	4-1-06 5 Cobden place
27	M	39	General hawker..	Bloodpoison ..	11-4-06 of Birkenhead
31	M	72	Hardware dealer	Apoplexy ..	31-7-07 3 Christchurch rd
Sept. 5	M	26	Dock labourer ..	Typhoid fever ..	31-8-08 410 Price street
6	M	61	Ferry porter ..	Syphilis ..	3 6 07 32 Stanley road
7	F	13	Boiler lab daught	Abscess ..	2-9-07 49 Thomas street
9	F	70	Freight clerk wido	Status Epilepticus	7-9-07 48 Derby street
5	F	29	Gen labourer wife	Phthisis ..	10-7-07 13 Wilson street
9	F	34	Ship turncock dau	Epilepsy ..	9-1-97 158 Oliver street
11	M	71	Shop fitter travell	Bronchitis ..	7-9-07 33 Yelverton road
17	M	81	Commercial clerk	Senile decay ..	15-4-96 55 Ivy street
17	M	69	General labourer	Apoplexy ..	19-7-07 Ch Army Home
19	F	74	Stonemason's wid	Necrosis Patella ..	14-5-01 4 Cleveland aven
21	M	73	Dock board labour	Cerebral apoplexy..	6-8-07 10 in 21 Fox st
23	M	24	General labourer	Heart disease ..	26-8-07 9 I Queen's build
24	M	46	Joiner's labourer	Rheumatic fever ..	19-9-07 3 Woodland terr
25	M	65	Iron moulder ..	Carcinoma stomach	17-9-07 67 Rundle street
27	M	63	General labourer	Cerebral apoplexy..	20-7-03 19 Farm road
27	M	28	Window cleaner	Acute pneumonia ..	18-9-07 75 Market street
Oct. 2	M	76	Furniture broker	Senile decay ..	1-8-07 17 Grange street
2	M	62	Storekeeper ..	Cardiac disease ..	23-7-07 274 Price street
7	M	65	Plater's labourer	Cardiac disease ..	10-9-07 5 Craven place
8	M	2m	Dom servant son	Aphthous stomatitis	4-10-07 56 Church road
14	F	72	Dec chemist's dau	Cerebral apoplexy..	12-10 07 65 Oliver street
16	M	48	General labourer	Phthisis ..	7-10-07 3 Oaktree cottages
16	M	41	Boilermaker ..	Carcinoma of tongue	2-5-07 101 St Anne st
24	F	71	Clock repair wife	Cerebral apoplexy..	11-10-07 4 Sussex street
25	M	34	General labourer	Phthisis ..	18-10-07 15 Princes street
30	M	33	Carter ..	Phthisis ..	10-9-07 5 Fox street
Nov. 1	F	53	Stonemason wido	Phthisis ..	22-10-07 33 Kingsley street
3	M	70	Super caretaker	Chron cere softening	21-10-07 112 Brougham st
10	M	85	Iron ship calker	Senile decay ..	13-6-85 9 Thomas street
14	F	57	Wharfinger's wid	Phthisis ..	21-10-07 14 Mounsey road
22	M	72	Machine driller ..	Chron cere softening	13-2-06 1 Eastham street
23	M	36	Dock labourer ..	General paralysis ..	14-8-07 15 Eldon place

SUPPLEMENT TO TABLE V.—*Continued.*

Date.	Sex	Age	Occupation &c.	Cause of Death.	Date and Address of Deceased when admitted.	
Nov. 29	M	46	Carter ..	Cardiac disease ..	28-11-07	2 Waterloo place
Dec. 1	F	72	Greengrocers wife	Senile decay ..	26-11-07	89 St Anne street
7	M	30	Carter ..	Phthisis pulmonalis	8-11-07	21 Wilkinson st
7	F	74	Joiner's widow	Phthisis pulmonalis	16-4-04	2 Ivy street
10	M	66	General labourer	Acute pneumonia ..	4-12-07	Birkenhead
11	F	77	Gen labourer wido	Carcinoma of chest	25-9-07	216 Beckwith st
13	M	72	Rly goods porter	Pleuro pneumonia	29-4-07	16 Keightley st
14	F	30	B'layer's lab wife	Phthisis pulmonalis	19-11-07	13 Penrith street
13	M	68	General labourer	Senile decay ..	21-11-07	3 Rose cottages
18	M	31	General labourer	Caries spine ..	30-8-07	31 Star street
16	F	44	Gen labourer wife	Acute pneumonia ..	13-12-07	17 Waterloo place
26	M	69	General labourer	Senile decay ..	24-11-92	71 Westbourne rd

